

DAILY METAL REPORTER

MONTHLY SUPPLEMENT

METALS

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In This Issue

**URGE GOV'T NEGOTIATE TO STEM
FLOW OF ALUMINUM IMPORTS**

**RUSSIA A MAJOR PRODUCER OF
COPPER BUT USE TOPS OUTPUT**

By TINA J. MURRAY
Copper Division, BDSA

BRITISH METAL MARKETS

By L. H. TARRING
London, England

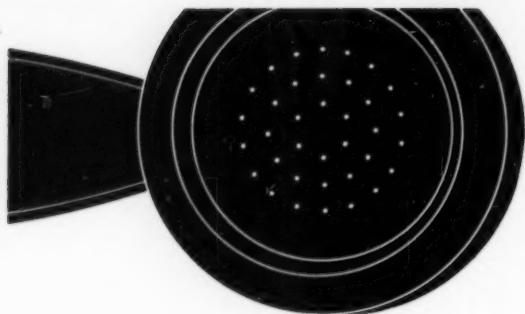
DOMESTIC METAL MARKET REVIEW

U. S. METAL IMPORT DUTIES

WASHINGTON REPORT

METAL STATISTICS

**AUGUST
1958**



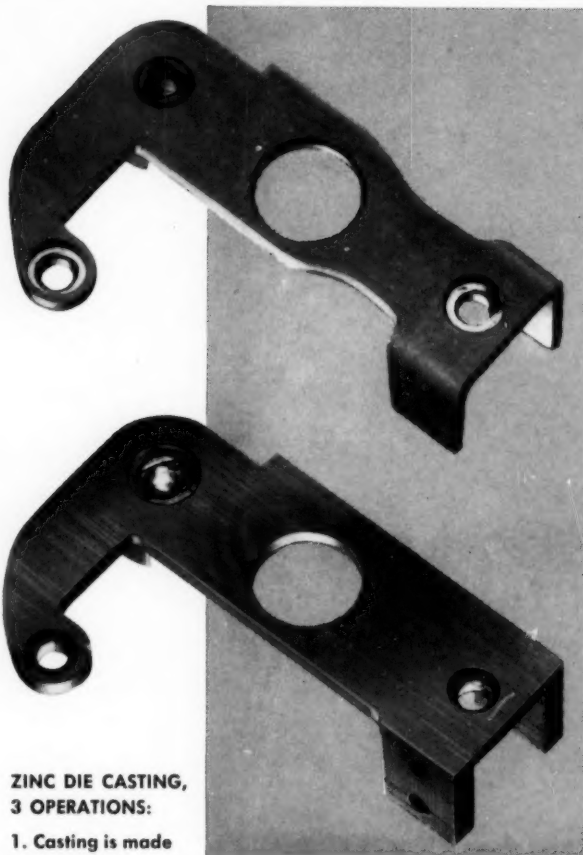
ZINC DIE CASTING Cuts Costs 63%

• The parts shown here are dial bridges used in telephones made by Stromberg-Carlson at Rochester, New York. Originally made as brass stampings, production and assembly required 6 operations. Redesigning the dial bridges for die casting in zinc reduced the number of operations in half. The switch to zinc base die castings cut production and assembly costs 63%. In fact, cost figures indicated that the savings on the first 24,000 components would pay for the needed retooling necessary to convert to die casting. Comparable savings have been achieved by utilizing the die casting process for other methods of manufacture.

• This case history again proves that zinc plus die casting is one of the fastest and most practical low-cost production tools available to the country's metal-working industries.

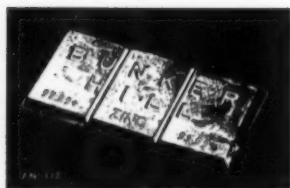
STAMPING, 6 OPERATIONS:

- | | |
|------------------------|------------------|
| 1. Blanked and pierced | 4. Reamed |
| 2. Formed | 5. Drilled again |
| 3. Drilled | 6. Tapped |



ZINC DIE CASTING, 3 OPERATIONS:

1. Casting is made
2. It is drilled
3. Holes are tapped



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Two LINE Editorials

Space experts say that a man can be landed on the moon at a cost of two billion dollars. Before investing that much in the trip, however, we'd want to know whether it was for a one-way or a round-trip ticket.

"The recession can be easily cured," says an editor, "by hard work and thrift." Can't some people think of the craziest ideas?

An apologist for New York's teenage gang says that "they just get together to kill time." Unfortunately, however, too often time is not the only thing they kill.

A California millionaire is reported to have an air-conditioned mahogany dog-house, equipped with a solid gold eating pan. And that's a dog's life?

A paper company in West Virginia announces that it is now making a new kind of paper that "stretches like rubber." That ought to be the very thing for that elastic currency the economists are always talking about.

Maybe it will work out all right, but it will never feel right to be living in a country where Texas is only the second-largest state.

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BUSINESS IN MOTION

To our Colleagues in American Business . . .

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The Revere Brass Strip used by the manufacturer of seamless, one-piece door knobs possessed still other characteristics that made it the most desirable for that specific purpose. Because of the unique procedure by which these knobs are made the brass has to be able to stand up under some mighty rugged going. Further, the brass strip has to be of uniform gauge and be without any sign of fracture or crimping when drawn, as well as have consistently correct grain structure to insure a smooth, flaw-free surface on the finished knobs without extensive finishing and polishing operations.

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turers have found that the high ductility and malleability of various Revere Brass Alloys effect savings in time and cost because deeper draws in one operation are possible. And, because of the low, work-hardening rate, a combination of forming processes is frequently possible in making intricate shapes without the need for intermediate annealing. Should annealing be required the temperatures used are low (usually not over 1100° F.) which means lower fuel cost.

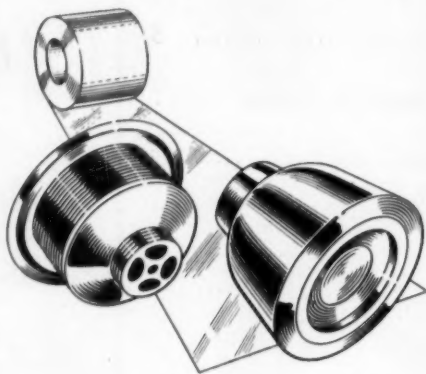
Revere Brass Strip not only permits deep draws, but fast draw speeds as well, which is particularly desirable for repetition press work or other operations where parts are produced in large quantities. This means relatively low power consumption.

Revere Brass Strip does not foul dies quickly, requiring only a minimum of die re-dressing. And one of its most desirable features

is that it plates well and polishes easily, requiring only a minimum of finishing.

Revere Brass Strip in its various alloys is still another example of how, by fitting the metal to the job, it is possible to produce superior products at the lowest possible cost.

Practically every industry you can name is able to cite similar instances. So we suggest that no matter what your suppliers ship you, it would be a good idea to take them into your confidence and see if you cannot make a better product at lower costs by specifying exactly the *right* materials.



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Washington Report

August 18, 1958

CONGRESS was heading for adjournment in anything but an orderly fashion and the last few days of the session saw battle lines being formed for an old fashioned Donnybrook over the minerals subsidy measure.

Meanwhile, Soviet bloc nations now will be able to buy copper, aluminum and a long list of other commodities previously classified as "strategic" from North Atlantic Allies and Japan. The Coordinating Committee (Cocom) of the North Atlantic Treaty Organization has been working for the past five months in Paris on reclassifying commodities. The previous international strategic list, which was drawn up in 1954, had a total of 282 commodities; of this total, 190 items were embargoed completely from shipment to the Soviet and its satellites; 25 were subject to quantitative controls and 67 were in a so-called "keep watch" category. The new international list will have 155 commodities, of which 120 will be embargoed and 35 will be kept on the "keep watch" list. There will no longer be any quantitative controls.

Subsidy Program

The Administration's mineral subsidy program (the Seaton bill) finally was cleared for action on the floor of the House after the Rules Committee reportedly was pressured to get together and vote it out. It is no secret that House Rules Chairman Smith (Dem., Va.) is opposed to the measure. The bill which has been passed by the Senate, is given a 50-50 chance on the House floor.

The Seaton bill, a five-year deal, would give lead, zinc, tungsten, fluorospar and other mineral producers Government subsidies exactly as voted by the Senate. In addition, the legislation provides a one-year stockpiling program for as much as 150,000 tons of domestically mined copper at market prices up to 27.50¢ a pound.

The measure faces a rocky road before it can be enacted. First off, differences in the House and Senate measures would have to be overcome. The major one is how to finance the program. The Senate provided for direct borrowing from the Treasury but the House version calls for appropriations instead. It is believed that the Senate would have to back down

on this provision for any compromise to be reached, due to the opposition of the House Appropriations Committee as well as that of the Rules Committee to any borrowing provision on the grounds it takes power away from Congress over Government purchase strings.

Should the minerals subsidy legislation be authorized by Congress, it

KILL MINERALS SUBSIDY BILL.
The House on August 21 killed the minerals subsidy bill by a 182 to 159 vote.

is doubtful the House Appropriations Committee would vote any money for the program. However, President Eisenhower could on the basis of a Congressional authorization theoretically allocate other Interior Department funds to get a program started, and then ask Congress early next year for a supplemental appropriation to keep the subsidy plan going.

Backers of the subsidy program stated that although some estimates of the program's cost are \$650 million, it actually would work out to \$458 million at the maximum.

The Administration itself is on something of a spot. When the lead and zinc industry asked for a higher tariff, which the Administration does not favor because of the impact that higher duties would have on Canada, Mexico and our South American neighbors, the subsidy program was put forward as an alternative and also as a means of getting Congressional backing for the Reciprocal Trade Agreement. If the subsidy bill fails to

pass the domestic mining industry will once again push for higher import duties.

Trade Act Extension

Both the Senate and the House have approved a four-year extension of the Reciprocal Trade Act and sent the measure to the White House. The measure grants the President most of the new tariff-cutting authority he had sought and is certain to receive his approval.

Under the bill, the President could negotiate any time up to June, 1962, to cut tariffs an additional 20 per cent and the tariff cuts could be put into effect any time through June, 1966, so long as the reduction did not exceed 10 per cent a year. The bill also includes a provision giving Congress the right by a two-thirds vote of each House to overturn Presidential decisions against Tariff Commission recommendation for protection for domestic industries. The so-called national security clause, the procedure for cutting down imports harmful to national security, has been made tougher.

Tariff Hearings

The Tariff Commission has been holding hearings on tungsten and quicksilver.

Higher import duties on tungsten were urged by domestic producers, who said the present tariff of \$7.93 per unit was "totally inadequate." A tariff of \$24 a unit was required, witnesses said, if U. S. producers were to obtain a sales price of about \$45 a unit which is needed for the industry to survive.

Witnesses at the quicksilver hearing also urged a higher import duty on this metal. J. Eldon Gilbert, of the American Quicksilver Institute, said aid for the domestic industry "could take the form of an increased tariff, some system of placing quotas on imports or other measures."

Minerals Exploration

The House has passed and sent to the Senate a measure (S. 3817) to restore a program of Federal financial participation in exploration for minerals in this country. The estimated annual cost is \$6,000,000. The program, to be administered by the Department of the Interior, would be similar to one terminated June 30 by the Office of the Defense Mobilization and the Defense Minerals Exploration Administration.

Anti-Dumping Bill

A compromise version of a bill designed to tighten up the anti-dumping law has been approved by the Senate and sent to the House. The law is designed to prevent foreign

(Continued on Page 19)

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GOVERNMENT SHOULD UNDERTAKE NEGOTIATIONS WITH FOREIGN NATIONS TO STEM ALUMINUM IMPORT FLOW

Long-Range Goals Might Include Effective Anti-Dumping Legislation, Program to Make Surplus Metal Available to Less Developed Countries

THE U. S. aluminum industry has been one of the most seriously affected by the recession. Efforts to regain marketing and productive strength have brought into sharp focus the present and longer range implications of inequitable competition from foreign fabricators and producers.

At the invitation of the State Department, representatives of the primary aluminum industry presented a memorandum on July 14, 1958, specifically outlining the background and scope of this industry's concern and reflecting its recognition of the international aspects of the problems involved.

Of equal importance is the consideration of many aspects of the problems by the Commerce Department and those also concerned with the maintenance of sound domestic industries. Following are highlights of some of the most pertinent of these conditions as presently exist that we believe warrant your prompt consideration:

One-Third of Capacity Idle

1. Nearly a third of existing domestic aluminum producing facilities are already idle. Correspondingly, a substantial part of fabricating capacities — much in the hands of small non-integrated mill product suppliers — are in only limited use. At least 20,000 workers in the industry are unemployed. In addition, there is also under construction additional primary capacity of 578,000 tons — much of it nearly completed — that will stand idle.

Most of this capacity was created in furtherance of Government mobilization expansion programs. The additions to the capacity made since the 1955 shortage were prompted in part by Government policies to assure adequate supplies for small business.

The accompanying article is a letter submitted to U. S. Secretary of Commerce Sinclair Weeks by six primary aluminum producers.

The letter was submitted by: Aluminum Company of America; Anaconda Aluminum Company; Kaiser Aluminum & Chemical Corp.; Olin Mathieson Chemical Corp.; Revere Copper & Brass Inc., and Reynolds Metals Company.

Shipments of foreign aluminum products are supplying an increasing share of current demands; thus foreign sources of supply enjoy the fruits of a developed market at the expense of permanent domestic ones.

Foreign Competition

2. There has been a marked increase in the selling efforts of foreign fabricators and producers. Expansion of facilities abroad, coupled with a leveling of international demand, has resulted in increased offerings of foreign aluminum products in many forms to the well established consuming markets in this country. These markets had been supplied by the presently idled U. S. manpower facilities. This is at the very time when domestic fabricators and producers need such business to sustain employment and operations.

3. The extent of foreign sales efforts and successes is not described adequately by published statistics. Government and industry data, accurate as historical information, do not provide significant clues as to the problems of foreign competition facing the domestic industry presently. The U. S. aluminum industry would be remiss in waiting to present its case until statistics confirm that which is common knowledge in the market place today. By that time, effective relief would be either more difficult or too late.

Losing Business

Domestic aluminum fabricators, distributors and producers are losing

business to importers, not only in pig and ingot, but in many fabricated products such as aluminum sheet and plate, foil, screw machine stock, rod, impact and collapsible tube slugs and drawn tube, to cite the principal ones.

4. Unlike many other countries, the U. S. markets for aluminum products have been developed to a high degree, largely through the extensive marketing and technological efforts of domestic producers and fabricators. Huge sums of money and effort have been expended by them to overcome obstacles that stood in the way of volume usage in many fields. No major market development can be attributed to the like efforts of a foreign supplier.

New Volume Markets Needed

5. The solution to industry's problems is the development of new and large volume markets. Experience has proven that this must be spearheaded by the industry itself. But market development — and the basic technological research and promotional efforts which goes into this effort — is vastly expensive. Only an economically sound industry is able to underwrite the very work that assures it and its customers of adequate utilization of their facilities.

6. Foreign suppliers appear to have little interest in the investment of capital and technological efforts to develop new U. S. markets for aluminum. Most of them look at the U. S. market as one of convenience, one where their dollar demands can be satisfied. During 1955, a period of tight aluminum supply, semi-fabricated products, as well as pig and ingot were sold by many of them at premium prices. Sales to non-U. S. markets were made at a greater rate of increase from previous volume
(Continued on Page 9)

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Government Should Undertake Negotiations With Foreign Nations to Stem Aluminum Import Flow

(Continued from Page 7)

patterns since apparently such other markets were more attractive to them. Thus domestic consumers of mill products and basic aluminum cannot be assured that most foreign sources will supply their needs on an uninterrupted basis.

Conversely, foreign suppliers may take advantage of the broad market developed in this country, during periods when their normal markets have declined, as is the situation presently. No prior contribution to the development of these markets had been made by most of them. As is generally the case, the heaviest imports generally occur just when domestic suppliers have the smallest amount of funds available for further market development and when they are counting on the realization of such earlier investments to provide sorely needed sales. Thus when world and U. S. aluminum markets soften simultaneously, suppliers of foreign metal reap the very benefits counted on by domestic companies to help maintain employment and profitable operations.

Lower Foreign Prices

7. The ability of foreign producers and fabricators to offer aluminum at substantially lower prices lies in the very wide disparity in wage structures between the U. S. and other countries. With labor accounting for 75 per cent of total direct and indirect manufacturing costs in United States industry, it is the biggest element in the value of any product, including aluminum.

Productivity per man hour in European plants is as high as here, due largely to the highly efficient new

equipment installed in many instances more recently than our own. The difference in wage structure therefore reflects real, net differences in cost — beyond the control of individual U. S. companies.

Added cost advantages may be accrued through the purchase of Russian pig metal by European fabricators at prices reflecting "economic penetration" subsidies. Such foreign purchasers of Russian aluminum can then sell aluminum mill products at even lower prices while still retaining desired profit margins.

Foreign Marketing Obstacles

8. Faced with this competition, the U. S. aluminum industry is confronted with formidable obstacles to an alternative course of action, that of finding markets for its products abroad. High tariffs are imposed on U. S. aluminum products, principally by countries with major aluminum producing facilities whose desire is to maximize exports and minimize imports in an effort to obtain favorable dollar balances. Import licenses and currency controls are other devices used by such countries to keep U. S. aluminum products out of their own market.

In summary, the serious extent of foreign participation in negotiations for forthcoming aluminum products business from U. S. market is apparent. Much of this activity is not revealed by published data, since such historical information is collected after the fact and some of the more seriously affected segments of the markets are not statistically identified. This activity is however being keenly felt at the market place. Domestic manpower and facilities will

not regain strength when the nation's economy again moves ahead. Further business from these markets will provide growth power and economic health, not to the U. S. aluminum producers and fabricators which underwrite their realization, but to foreign markets that "bought" participation at a time when they could not sell their output to historically profitable and traditional consumers.

Government Program

These are but a few of the numerous factors arising from foreign competition that are of the scope that cannot be coped with by the domestic industry as an economic entity. A bold, imaginative program by the Federal Government is essential, therefore, if the aluminum industry is to retain its customary first line position of importance to the economy and defense of the nation.

Specifically, it is recommended that negotiations be undertaken with nations which are the principal exporters to the United States to reduce the flow of all such metal entering the country to a ratio commensurate with the level of activity of the domestic industry at any given time. Negotiations with these exporting countries offer one possibility for relief from shipments of such metal that are not being absorbed by their own traditional foreign customers. In addition, long range goals might include effective anti-dumping legislation and an international program to make available surplus world aluminum to those less developed countries in forms that will improve their mode of life. They all need it far more than the well developed and well served markets of the United States.

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RUSSIA A MAJOR WORLD COPPER PRODUCER: IMPORTS SEEN NEEDED FOR SOME TIME AS USE TOPS OUTPUT

60% Increase in Refined Metal Production as Called for in Sixth Five Year Plan to Meet Industrial Expansion Not Likely to Be Met

By TINA J. MURRAY, Copper Division, Business and Defense Services Administration

THE U. S. S. R. is a major world producer of copper and is known to have extensive reserves. Since World War II, production is believed to have expanded rapidly.

Precise figures on Soviet copper production are not available, as official U. S. S. R. statistics since the 1930's have been expressed only in terms of ratios rather than in quantities. The figures and information on this article have been compiled from various sources, including foreign.*

According to these sources, mine production in the period 1946-56 is estimated to have more than doubled and to have increased from 8 to 11 per cent of the world total. Refined copper production during the same period is estimated to have almost tripled and to have risen from 8.5 to 12 per cent of world output.

Use Outstrips Production

Despite these advances, the U. S. S. R. is a net importer of copper, as consumption has constantly outstripped production. It is believed that imports will be required for some time to meet the growing demands of industrial expansion. The Sixth Five Year Plan (1955-1960) called for an increase of 60 per cent in the production of refined copper, but on the basis of available information it is not believed that this objective will be met.

However, the establishment of a goal of this dimension indicates the importance the U. S. S. R. attaches to its copper industry.

During the 1920's copper production in the U. S. S. R. lagged behind that of such commodities as coal, petroleum, and iron and steel, and did not keep pace with the output of electric power. It was not until the early 1930's that copper output approached the 1913 level, while produc-

tion of most other commodities had regained that level by 1926. Large quantities of copper were imported to meet the growing demands of the electrical industry.

Imports Necessary

Although copper production increased rapidly after 1933, it was inadequate to meet the demands of the increased use of electric power in the industrialization program. It was necessary to continue to import copper and also much electrical equipment.

The U. S. S. R. is estimated to have reached in 1950 the generating capacity the United States had in 1926. Observers generally agree that the electric power industry in the U. S. S. R. has grown rapidly in the last decade. The emphasis on increased power output is illustrated by the fact that the U. S. S. R. plans to increase generating capacity to 320 billion kilowatt hours in 1960 from the 192-billion capacity in 1956.

A comparison of the growth of U. S. S. R. copper production and consumption and that of its electric power output, as shown in tables 1 and 2, may provide some indication of the extent to which copper supply must be increased in order to meet the demands of the projected increase in power output.

The principal resources of copper in the Soviet Union are located in four economic regions: The Urals, Kazakhstan, Uzbek SSR, and Transcaucasus Armenia SSR. According to *Ezhegodnik* (Russian Yearbook) published in 1957, the Urals occupy first place in copper production, Kazakhstan second, and Uzbek third. Armenia is fourth.

The early mining of copper took place in the Ural Mountains region, which is still an important source of copper. It is probably the region best suited to the production of copper with respect to location to other industries and to transportation. Smelt-

ers are concentrated in this region; as ore reserves are depleted, the problem of supplying the smelters with ore becomes greater. In 1937 over 84 per cent of all copper smelting was done in the Urals, which had less than 16 per cent reserves at that time. In 1942, 46 per cent of total output came from this region. The Sverdlovsk oblast is the major producing area.

Kazakhstan Deposits

Kazakhstan is about one-third the size of the United States. The principal industrial center is the Karaganda area. More than half of the copper deposits in the Soviet Union are said to be located in Kazakhstan. The principal copper ore-bearing areas of Kazakhstan are Djezkazgan, Kounrad and Baschekul. According to *Ezhegodnik*, 40 per cent of total U. S. S. R. production of black copper was produced in this region in 1956. The potentials of this area indicate that it may become the principal production and refining center for copper in the Soviet Union.

Enormous expenditures have been made to develop the copper industry in this region. The Balkhash combine, one of the Soviet Union's largest smelting undertakings here, is located near Lake Balkhash in Central Asia and use porphyry ore from the adjacent Kounrad deposits. The Soviets claim to have mechanized completely all operations at the huge Kounrad copper mine and the nearby Balkhash copper smelters. Production plans have not been fulfilled because of problems arising from the location and characteristics of these resources. Most of the deposits are in areas that are removed from centers of population. The region is desert, and great problems have arisen concerning water, food, qualified workers, and shelter for the workers. Also the copper ores are relatively low grade.

The deposit at Baschekul, credited

* Estimates of smelter production of copper in the U. S. S. R. are included in the *Minerals Yearbooks* published by the Bureau of Mines, U. S. Department of Interior.

with 2.38 million tons of reserves of low grade ore, has been undeveloped for lack of transportation. However, according to Ezhegodnik, railroad lines between Akmolinsk and Pavlodar were completed during the Fifth Five Year Plan, providing access to this area, and it is reasonable to suppose that development will begin in the near future. Karsak-Pai, located west of Karaganda and affiliated with Djekazgan deposits, was planned to become the largest copper producing plant in the Soviet Union, but excessive heat permits work only at night.

Uzbek in Central Asia ranks third

in copper production. Almalyk is the principal smelter located here. The Almalyk copper reserves were estimated before the war at 900,000 tons. The 1946-50 Plan provided for the mine to be developed and a concentrating plant and smelter built.

The principal smelters in Armenia are the Alaverdi Copper Smelter, located south of Tiflis, and Zangezur in the Iranian Frontier. The Kadzharan (Kafan) Copper-Molybdenum Combine and a flotation plant are also located here.

Some copper is also produced at the Monchegorski Copper Nickel Com-

bine in the Kola Peninsula and at the nickel plant at Norilsk. In Siberia the Minusinsk Copper Smelting Plant has an estimated output of about 10,000 tons a year. Recent discoveries of copper have been reported at the edge of the Chuki Peninsula which lies close to Alaska. This area is sparsely populated and little mining development has been done because of the extreme cold and lack of transportation.

SOURCES: Ezhegodnik, Bol'shoi Sovetskoe Entsiklopedii (1957); Planirovaniye is ekonomika predpriyatiy tsvetnoi metallurgii, by A. I. But (1957); Minerals—A Key to Soviet Power, by Demetri B. Shimkin (1953); World's Non-ferrous Smelters and Refineries, Quin Press Ltd., London (1954); Soviet Electric Power, by A. Markin (1956).

TABLE 1 —Copper in the U.S.S.R.: Production, Consumption, and Imports

[Thousands of short tons—copper content]

| | 1913 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Mine production..... | 35.6 | 33.2 | 33.1 | 37.6 | 34.3 | 35.3 | 36.0 | 48.8 | 69.7 | 91.5 | 102.0 |
| Imports of refined..... | n.a. | 29.8 | 18.7 | 22.0 | 26.5 | 13.2 | 8.8 | 12.1 | 35.3 | 49.6 | 72.2 |
| Consumption of refined..... | n.a. | 53.6 | 60.7 | 60.6 | 61.7 | 48.5 | 44.8 | 61.3 | 102.3 | 141.4 | 173.9 |
| | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 |
| Mine production (est.)..... | 165.3 | 181.9 | 198.4 | 220.5 | 240.3 | 280.0 | 325.2 | 334.0 | 352.7 | 385.8 | 429.9 |
| Production of refined (est.)..... | 192.9 | 209.4 | 247.5 | 286.6 | 308.6 | 358.2 | 402.3 | 429.9 | 451.9 | 507.1 | 551.2 |
| Consumption of refined (est.)..... | 203.9 | 214.9 | 248.0 | 308.6 | 341.7 | 363.8 | 413.4 | 446.4 | 468.5 | 529.1 | 573.2 |

n.a. Not available.

Sources: 1913 and 1928 data—SSR i Kapitalisticheskii Mir; 1929-37 data—M. Meisner Weltmonstatistik (World Mining Statistics); 1946-56 data—Metallgesellschaft Aktiengesellschaft (Metal Statistics).

TABLE 2 —Electric Power in the U.S.S.R.

[Billions of kilowatt hours]

| | 1913 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 |
|-----------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Production..... | 2.0 | 5.0 | 6.2 | 8.4 | 10.7 | 13.5 | 16.4 | 21.0 | 26.3 | 32.8 | 36.2 |
| | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 |
| Production..... | 48.6 | 56.5 | 66.3 | 78.3 | 91.2 | 104.0 | 119.1 | 134.1 | 150.6 | 170.1 | 192.0 |

Note: Pravda, January 27, 1958, reports 1957 production at 209.5.

Source: Narodnoe Khoziaistvo SSSR, 1956.

TABLE 3 —Copper in Soviet Sphere Countries other than U.S.S.R.: Production and Consumption

[Thousands of short tons—copper content]

| Region | 1938 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 |
|---|-------|------|------|------|------|------|------|------|------|------|------|------|
| Mine production (estimated) | | | | | | | | | | | | |
| East Germany..... | ..... | 3.3 | 4.4 | 6.5 | 8.4 | 9.1 | 9.4 | 12.1 | 17.4 | 22.8 | 25.4 | 27.6 |
| Other Eastern Europe..... | 4.4 | 5.5 | 5.5 | 5.5 | 6.6 | 7.2 | 7.7 | 8.8 | 11.0 | 11.0 | 13.2 | 22.0 |
| Asia..... | 3.9 | 3.2 | 3.2 | 2.8 | 4.3 | 5.5 | 6.6 | 6.6 | 8.8 | 8.8 | 9.9 | 11.0 |
| Production of refined copper (estimated) | | | | | | | | | | | | |
| East Germany..... | ..... | 11.0 | 22.0 | 25.3 | 27.5 | 28.7 | 31.6 | 35.7 | 40.8 | 44.1 | 46.3 | 47.4 |
| Other Eastern Europe..... | 7.7 | 1.1 | 2.2 | 2.8 | 3.9 | 5.0 | 5.5 | 6.6 | 7.7 | 8.8 | 13.2 | 22.0 |
| Asia..... | 2.9 | 2.2 | 2.8 | 2.8 | 3.3 | 5.3 | 6.6 | 6.6 | 8.8 | 8.8 | 11.0 | 13.2 |
| Consumption of refined copper (estimated) | | | | | | | | | | | | |
| East Germany..... | ..... | 11.0 | 13.2 | 16.5 | 19.8 | 28.7 | 35.3 | 38.6 | 52.9 | 60.6 | 66.1 | 71.6 |
| Other Eastern Europe..... | 77.2 | 13.2 | 33.1 | 57.3 | 50.2 | 64.4 | 66.1 | 71.6 | 77.2 | 77.2 | 82.7 | 82.7 |
| Asia..... | 2.6 | 4.0 | 2.8 | 2.8 | 2.9 | 5.1 | 6.6 | 6.6 | 8.8 | 8.8 | 11.0 | 13.2 |

Source: Metallgesellschaft Aktiengesellschaft (Metal Statistics).

SENTIMENT FOR COPPER IMPROVES CONSIDERABLY IN U.K.; PRICES SEEN HEADED TOWARD HIGHER GROUND

Russia Continues to Offer Tin on London Market on Undiminished Scale; Lead, Zinc Mark Time Awaiting Developments on U.S. Subsidy Proposals

August 1, 1958

AFTER reacting unfavorably to the re-imposition of the U. S. import duty at the beginning of July, the market here has made a very good showing during the past month, particularly when it is considered that this is the peak holiday season on both sides of the Atlantic.

The more cheerful June American copper statistics coupled with the increasingly hopeful prospects of the Administration's stockpiling proposals being approved by Congress and a generally rather more hopeful U. S. industrial outlook, has done a good deal to help sentiment on this side of the Atlantic.

The latter has been further stimulated to an appreciable extent by the indications that as a result of the recent COCOM discussions, the shipment of raw copper to Russia and other Communist countries is likely to be approved within the next two or three weeks. Nobody is very sure how much copper Russia will want to buy but most people believe that it will be a fairly substantial quantity.

It is also believed that her interest will be predominantly, if not entirely, in electrolytic metal, the shortage of which in Europe seem to get worse rather than easier.

Electrolytic wirebars for prompt or early delivery here are particularly short and despite the rising price-level on the L.M.E. such wirebars are fetching a premium of up to £13 a ton over the London open market quotations. It is obvious, therefore, that if any appreciable Russian demand were superimposed on the present market situation, the position might become quite acute. There are some people who think that Russian interest will not be entirely directed towards wirebars but will include wire rods.

In view of the substantial commitments already made by the Soviet Union for British and European copper wire for the current year, interest in raw metal may well be directed towards 1959 supplies: this development, whilst welcomed by the copper

By L. H. TARRING
London, England

market as a whole, is not causing any joy among the wire makers. In the last year or two, exports of wire to Russia and her satellites, and more recently to China, have represented a substantial part not only of British exports of semis but, indeed, of the total output of the mills.

Prospects, therefore that this business may die away to nothing in the coming months is naturally causing fabricators some alarm, particularly as the general industrial outlook in Europe at the moment does not suggest that there will be any major improvement in the level of consumption here and outlets in America are less readily found now that U. S. primary producers are no longer selling raw copper abroad at lower prices than they are supplying it to domestic fabricators.

U. K. COPPER STATISTICS

Stocks of copper in the U. K. at the end of May totaled 67,355 tons refined and 21,558 tons blister compared with the April figures of 69,757 tons and 18,825 tons, reports the British Bureau of Non-Ferrous Metal Statistics. Production during the month was at the rate of 18,825 tons primary refined, 8,335 tons secondary refined and 489 tons rough copper. Full consumption details are given below.

| Products | Long Tons | | |
|---------------------------|-----------|-----------------------------|---------|
| | May 1958 | 5 mos. ending 31st May 1958 | 1958 |
| Unalloyed copper products | | | |
| Wire ¹ | 23,702 | 119,667 | 112,773 |
| Rods, bars & sections | 1,807 | 7,785 | 88,924 |
| Sheet, strip & plate | 4,560 | 25,427 | 23,905 |
| Tubes | 5,091 | 24,078 | 25,177 |
| Castings & misc. | 650 | 3,250 | 3,250 |
| Alloyed Copper Products | | | |
| Wire | 1,293 | 7,392 | 56,919 |
| Rods, bars & sections | 9,322 | 50,655 | 51,292 |
| Sheet, strip & plate | 7,165 | 38,781 | 38,532 |
| Tubes | 2,226 | 9,911 | 10,362 |
| Castings & misc. | 6,241 | 32,721 | 31,487 |
| Copper sulphate | 1,941 | 21,915 | 11,583 |
| Total all products | 63,998 | 341,582 | 324,204 |

| | | | |
|---|--------|---------|---------|
| Copper cont. of output | 54,233 | 281,044 | 271,300 |
| Consumption of refined copper ² | 43,571 | 222,911 | 213,238 |
| Consumption of copper & alloy scrap ³ (copper content) | 10,662 | 58,133 | 58,062 |

Notes:—¹ Consumption of H. C. copper and cadmium copper wire rods for wire and production of wire rods for export.
² Virgin and secondary refined copper.
³ Consumption of copper in scrap is obtained by the difference between copper content of output and consumption of refined copper, and should be considered over a period since monthly figures of scrap consumption are affected by variations in the amount of work in progress.

⁴ Revised.

Although the decline in stocks in London Metal Exchange official warehouses has slowed down in recent weeks, they recently dipped below 13,000 tons and the disappearance of the backwardation at the end of July is evidence of the fact that much of the existing stock is very firmly held.

There is no doubt that in the last few weeks sentiment regarding copper has improved considerably and most people here are of the opinion that the metal is headed towards higher prices, though possibly only on a gradual basis. The belief that the U. S. market will move to 27½ cents if the stockpiling proposals go through is one reason for this firmer attitude but the main reason for the confidence that is felt is that the stock position of the metal has moved into a much sounder position than for a long time past.

Obviously, as the major producing countries of the world have now all cut back production by amounts varying from 10 per cent upwards there is, in the aggregate, a substantial volume of production held in reserve. It is assumed that producers will not be in too much of a hurry to re-activate suspended operations as although prices have now moved up by nearly 30 per cent from the bottom, many producers would still like to see a rather higher level and will probably wish to be very sure that the turn round is solidly based before commencing full production again.

Tin Disappointing

The tin market continues to be a very disappointing affair. Although it is now known that the International Tin Council has contacted Russia as well as the U.S.A., Germany and Japan with a view to their joining the International Tin Agreement, there is, so far, no news of Russia's reaction. In market circles here there is not a very high expectation that the Soviet will agree to come in and voluntarily limit the amount of tin she is able to sell on the world market.

Soviet selling has continued in evidence on an undiminished scale in recent weeks, and it is undoubtedly this that is the major reason for the con-

AVERAGE BRITISH PRICES FOR COPPER, TIN, LEAD, ZINC

(Per Long Ton)

Mean of Bid and Asked Cash Quotation at Close of Morning Session on London Metal Exchange

| | COPPER | | | TIN | | | LEAD | | | ZINC | | |
|---------------|-------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|----------------|----------------|------------------|-----------------|-----------------|
| | Cash | 3 Months | Settlement | Cash | 3 Months | Settlement | Current Month | 3rd Following | Current Month | 3rd Following | Current Month | 3rd Following |
| 1954 Averages | £ s. d. 248 17 11 | £ s. d. 239 17 7 | £ s. d. 249 0 11 | £ s. d. 719 8 11 | £ s. d. 709 17 7 | £ s. d. 720 6 7 | £ s. d. 98 8 12 | £ s. d. 94 7 4 | £ s. d. 78 5 4 | £ s. d. 77 16 11 | £ s. d. 90 13 4 | £ s. d. 89 12 3 |
| 1955 Averages | 351 14 11 | 341 0 3 | 352 5 6 | 740 2 12 | 736 12 11 | 740 12 8 | 105 17 3 | 105 9 6 | 97 14 3 | 95 3 7 | 97 14 3 | 95 3 7 |
| 1956 Averages | 328 14 5 | 324 13 1 | 329 1 8 | 787 14 9 | 774 7 7 | 788 13 3 | 116 6 5 | 114 8 9 | 97 14 3 | 95 3 7 | 97 14 3 | 95 3 7 |
| 1957 | | | | | | | | | | | | |
| January | 265 17 11 | 264 14 4 | 266 3 2 | 789 3 2 | 771 10 5 | 789 16 4 | 116 5 1 | 114 10 8 | 103 5 1 | 98 13 8 | 90 8 11 | 96 17 0 |
| February | 245 11 2 | 244 2 0 | 245 16 3 | 770 16 9 | 752 9 6 | 771 8 6 | 113 3 0 | 112 6 11 | 99 12 3 | 94 15 9 | 90 12 3 | 94 15 9 |
| March | 239 10 11 | 239 2 9 | 239 14 6 | 770 14 6 | 756 8 7 | 771 7 2 | 113 2 1 | 112 6 11 | 99 12 3 | 94 15 9 | 90 12 3 | 94 15 9 |
| April | 241 19 2 | 242 15 9 | 242 2 0 | 774 4 9 | 763 7 6 | 774 17 6 | 111 17 5 | 111 14 1 | 98 7 6 | 94 13 5 | 90 12 3 | 94 15 9 |
| May | 237 17 5 | 238 1 2 | 238 0 3 | 765 8 1 | 763 8 6 | 765 15 3 | 99 9 3 | 99 16 1 | 85 15 7 | 82 8 3 | 90 12 3 | 94 15 9 |
| June | 227 2 8 | 228 16 2 | 227 5 9 | 762 10 0 | 759 14 9 | 762 16 10 | 91 13 9 | 91 19 9 | 74 6 1 | 73 16 4 | 90 12 3 | 94 15 9 |
| July | 217 10 12 | 219 11 9 | 217 14 9 | 753 2 8 | 750 3 8 | 753 13 1 | 90 12 3 | 91 4 11 | 75 3 1 | 73 14 11 | 90 12 3 | 94 15 9 |
| August | 208 12 3 | 210 12 7 | 208 15 9 | 740 0 9 | 748 18 1 | 740 6 8 | 91 14 6 | 92 0 3 | 73 17 10 | 73 13 9 | 90 12 3 | 94 15 9 |
| September | 193 18 2 | 197 5 1 | 194 3 4 | 739 13 7 | 739 16 11 | 740 0 11 | 89 16 9 | 90 9 1 | 73 1 9 | 73 7 5 | 90 12 3 | 94 15 9 |
| October | 186 9 8 | 190 0 9 | 186 14 7 | 731 12 2 | 728 15 8 | 731 17 5 | 85 18 1 | 86 10 1 | 69 3 7 | 69 4 4 | 90 12 3 | 94 15 9 |
| November | 187 18 7 | 191 17 9 | 188 3 4 | 730 5 3 | 710 12 7 | 730 10 6 | 83 3 4 | 83 6 2 | 67 10 6 | 67 1 3 | 90 12 3 | 94 15 9 |
| December | 181 8 8 | 185 14 5 | 181 12 0 | 730 11 3 | 728 11 3 | 730 16 6 | 73 4 3 | 73 18 2 | 62 15 11 | 62 19 2 | 90 12 3 | 94 15 9 |
| 1957 Averages | 219 8 10 | 221 0 3 | 219 12 10 | 754 15 4 | 747 10 10 | 755 3 11 | 96 12 9 | 96 13 2 | 81 11 7 | 80 1 1 | 90 12 3 | 94 15 9 |
| 1958 | | | | | | | | | | | | |
| January | 171 7 5 | 174 0 5 | 171 10 11 | 730 15 5 | 725 0 3 | 731 0 5 | 72 3 4 | 72 10 11 | 62 11 4 | 62 3 7 | 72 3 4 | 72 10 11 |
| February | 162 17 9 | 164 2 11 | 163 0 9 | 731 11 0 | 732 2 9 | 731 17 6 | 74 3 7 | 74 0 6 | 63 17 2 | 63 10 11 | 74 3 7 | 74 0 6 |
| March | 170 2 9 | 171 4 5 | 170 5 11 | 731 5 9 | 735 13 1 | 731 12 5 | 74 15 9 | 74 11 3 | 63 9 9 | 63 11 2 | 74 15 9 | 74 11 3 |
| April | 175 12 0 | 176 18 6 | 175 15 0 | 731 0 3 | 729 18 6 | 731 7 6 | 72 17 5 | 73 0 4 | 62 7 7 | 62 11 7 | 72 17 5 | 73 0 4 |
| May | 178 15 11 | 180 15 1 | 178 19 1 | 730 15 11 | 733 19 6 | 731 1 5 | 72 2 9 | 72 9 6 | 61 17 1 | 62 5 3 | 72 2 9 | 72 9 6 |
| June | 194 12 3 | 195 3 8 | 194 15 6 | 730 5 6 | 732 16 8 | 730 10 6 | 73 5 6 | 74 3 1 | 64 3 6 | 64 13 0 | 73 5 6 | 74 3 1 |
| July | 199 16 4 | 200 11 8 | 199 19 9 | 731 4 4 | 733 4 2 | 731 9 7 | 71 9 8 | 72 19 2 | 63 11 11 | 64 5 6 | 71 9 8 | 72 19 2 |

tinued nervousness in the open market here as to whether the I.T.C. can satisfactorily cope with the situation.

It might have been thought that this would disappear after the July meeting of the Tin Council when it was decided to increase the rate of export curtailment in the fourth quarter of the year from 40 per cent to 48 per cent, equal to a cut in actual exports of some 1,000 tons a month. In fact, however, after a fleeting rally when the announcement was made, the market has relapsed to a point where the Buffer Stock is again having to support cash tin regularly.

As it is obvious from the fact that the Buffer Stock already held over 22,000 tons of tin at the end of March it is now having to rely on the Special Fund for its market operations and as there is no information as to the extent of this fund or, apparently, regarding the assured continuity of contributions towards it, it is understandable that dealers and consumers

U. K. LEAD STATISTICS

The British Bureau of Non-Ferrous Metal Statistics reports stocks of lead in the U. K. at the end of May as 9,828 tons English refined and 27,780 tons imported virgin, compared with 10,104 tons and 27,405 tons respectively at the end of April. Production was at the rate of 7,202 tons primary compared with the April total of 6,259 tons. Full consumption details are given below:

| | Long Tons | | |
|----------------------------|-----------|---------------|----------|
| | May 1958 | 31st May 1958 | May 1957 |
| Cable | 8,644 | 48,897 | 19,958 |
| Batteries — as metal | 2,466 | 11,823 | 12,785 |
| Battery oxides | 2,197 | 10,094 | 11,780 |
| Tetraethyl lead | 1,570 | 8,848 | 8,155 |
| Other oxides and compounds | 2,499 | 9,725 | 10,501 |
| White lead | 753 | 3,970 | 3,557 |
| Shot | 453 | 1,907 | 1,913 |
| Sheet and pipe | 5,648 | 29,450 | 26,826 |
| Foil and collapsible tubes | 354 | 1,986 | 1,852 |
| Other rolled and extruded | 463 | 2,844 | 2,376 |
| Solder | 1,167 | 5,324 | 5,650 |
| Alloys | 1,620 | 7,070 | 7,548 |
| Miscellaneous uses | 1,005 | 5,199 | 5,213 |
| Total consumption | 28,839 | 147,137 | 142,244 |

of which:
Imported virgin lead... 14,392 68,700 71,162
English refined... 6,793 34,934 32,783
Scrap including remelted... 7,654 43,503 38,299

METALS, AUGUST, 1958

U. K. TIN STATISTICS

According to the British Bureau of Non-Ferrous Metal Statistics stocks of tin in the U. K. at the end of May stood at 21,529 tons compared with 20,070 tons at the end of April. Production during the month totaled 3,400 tons primary and 36 tons secondary against 1,796 tons and 26 tons respectively in April. Full consumption details below:

| Trade | Long tons | | |
|--------------------------|-----------|---------------|----------|
| | May 1958 | 31st May 1958 | May 1957 |
| Tinplate | 778 | 5,293 | 3,884 |
| Tinning: | | | |
| Copper wire | 40 | 224 | 223 |
| Steel wire | 8 | 44 | 39 |
| Other | 59 | 308 | 303 |
| Total | 107 | 576 | 565 |
| Solder | 135 | 909 | 686 |
| Alloys: | | | |
| Whitemetal | 220 | 1,148 | 1,154 |
| Bronze & gunmetal | 176 | 1,057 | 996 |
| Other | 32 | 151 | 176 |
| Total | 428 | 2,356 | 2,326 |
| Wrought tin (1) | | | |
| Foil and sheets | 26 | 127 | 121 |
| Collapsible tubes | 21 | 129 | 118 |
| Pipes, wire and capsules | 3 | 30 | 19 |
| Total | 50 | 286 | 258 |
| Chemicals (2) | 75 | 473 | 414 |
| Other uses (3) | 10 | 47 | 41 |
| Total all trades | 1,583 | 9,940 | 8,174 |

Notes — (1) Includes Compo and "B" metal.
(2) Mainly tin oxide. (3) Mainly powder.

are still rather nervous. It is worth bearing in mind, however that although the Buffer Stock is presumably still taking in tin against its market support operations, stocks in London Metal Exchange official warehouses have actually declined by over 1,000 tons during the past month. Were any substantial demand for early metal to develop, it would probably be found that supplies are very inadequate.

The trouble is that at the present time it is assumed that the maximum rise that could occur in prices is £50 a ton, whereas were the scheme to break down, the potential fall would almost certainly be much greater.

Lead Uninteresting

There has really been very little of interest taking place in connection with lead in this country in recent weeks. On the other hand, consumption seems to have kept up reasonably well but it is admittedly some-

what below the peak. The progress of the U. S. Administration's Minerals Stabilization Bill has been one of the main points of interest here and the balance of probability is now regarded here as being in favor of approval by Congress.

If this prognosis is correct, it may cause a certain amount of disquietude outside the U. S. A. as it is felt that the inevitable result would be to increase output by up to 100,000 tons a year, to the detriment of the global supply position.

In market circles it is not thought that anything very definite is likely to emerge from the meeting in London early in September (under the auspices of the United Nations) at which the question of an international commodity agreement for lead will be discussed. Government statements in this country this year have evinced (Continued on Page 19)

U. K. ZINC STATISTICS

The British Bureau of Non-Ferrous Metal Statistics reports stocks of zinc in the U. K. at the end of May as 50,539 tons, a slight rise from the April figure of 47,251 tons. Production totaled 5,698 tons compared with 7,294 tons during April. Full consumption details are given below:

| Trade | Long Tons | | |
|---------------------------------|-----------|---------------|----------|
| | May 1958 | 31st May 1958 | May 1957 |
| Brass | 7,628 | 40,891 | 41,009 |
| Galvanizing | 6,965 | 47,839 | 36,130 |
| of which: General | 2,961 | 14,785 | 13,891 |
| Sheet | 1,297 | 17,461 | 8,019 |
| Wire | 1,712 | 9,254 | 9,036 |
| Tube | 985 | 6,339 | 5,184 |
| Roller zinc | 2,256 | 10,046 | 10,518 |
| Zinc oxide | 2,182 | 11,137 | 11,795 |
| Zinc drossing and forming alloy | 3,744 | 16,501 | 20,227 |
| Zinc dust | 893 | 5,063 | 4,244 |
| Miscellaneous uses | 921 | 4,944 | 4,631 |
| Total all trades | 24,579 | 136,421 | 128,554 |

of which:
Slight zinc
High purity (99.99%) 3,922 18,355 22,182
Electrolytic & High Grade (99.95%) 4,777 24,736 25,156
G.O.B. Prime Western & debased 8,782 56,338 46,047
Other virgin material 214 2,772 1,329
Remelted zinc 473 1,250 2,205
Scrap — (Zinc content)
Zinc metal, alloys & residues 2,781 14,124 13,266
Brass and other copper alloys 3,639 18,846 18,369

United States Duties on Principal Ore and Metal Imports

(Including Revisions in Effect June 30, 1957, Under Geneva Agreements)

(Quantities Are in Pounds Unless Otherwise Stated; n.s.p.f. Stands for "Not Specially Provided For.")

COPPER

NOTE — The excise tax of 4c a pound on copper (which was reduced to 2c a pound by the Geneva Trade Agreement) was suspended in April, 1947, until March 31, 1949, and on expiration it was further suspended until June 30, 1950. The tax was reimposed on July 1, 1950. It was suspended again on May 22, 1951, retroactive to April 1, 1951, and until February 15, 1953, and again until June 30, 1954. Suspension further extended to June 30, 1955, and again until June 30, 1958. If import tax is restored, the 1956 Geneva Agreement provides for 5% reductions effective on June 30 of 1956, 1957 and 1958, provided the price is above 24c; if the price is below 24c the 2c tax would prevail.

| | |
|---|--------------------------------|
| Copper ore and concentrates, usable as flux, etc., copper content | 1.70c lb. |
| Copper ore and concentrates, product of Cuba, copper content | free |
| Copper ore and concentrates, product of Philippines, copper content | 00.85c lb. |
| Copper ore and concentrates, copper content | 1.70c lb. |
| Regulus, black, or coarse copper, and cement copper, copper content | 1.70c lb. |
| Unrefined black, blister, and converter copper in pigs or converter bars, copper content | 1.70c lb. |
| Refined copper in ingots, plates or bars, copper content | 1.70c lb. |
| Copper rolls, rods or sheets | 1 1/4c lb. (plus 1.70c lb. ††) |
| Copper seamless tubes and tubing | 3 1/2c lb. (plus 1.70c lb. ††) |
| Copper plain wire | 12 1/2% (plus 1.70c lb. ††) |
| Copper brazed tubes† | 4.50c lb. (plus 1.70c lb. ††) |
| Old and scrap copper, fit only for remanufacture: and scale and clippings, copper content | 1.75 lb. |

†† Copper content.

BRASS

| | |
|---|---------|
| Brass rods, sheets, plates, bars, strips, Munts or yellow metal sheets, sheathing, bolts, piston rods, shafting and bronze rods, tubes and sheets | 2c lb. |
| Brass tubes and tubing, seamless | 2c lb. |
| Brass tubes, brazed, angles and channels | 6c lb. |
| Brass and bronze wire | 12 1/2% |

LEAD

NOTE — Import duties on lead-bearing ores, flue dust, and mattes of all kinds, lead bullion or base bullion, lead in pigs and blocks, lead dross, reclaimed lead and antimonial lead were suspended February 12, 1952, and reimposed on June 26, 1952. Lead scrap duty was reimposed July 1, 1952.

| | |
|---|-------------|
| Lead-bearing ores and mattes, n. s. p. f., lead content | 3/4c lb. |
| Bullion or base bullion, lead content | 1 1/16c lb. |
| Pigs and bars, lead content | 1 1/16c lb. |
| Reclaimed, scrap, dross, lead content | 1 1/16c lb. |
| Babbitt metal and solder, lead content | 1 1/16c lb. |
| Pipe, sheets, shot, glaziers' lead, and wire | 5 1/16c lb. |
| Type metal and antimonial lead, lead content | 1 1/16c lb. |
| White lead | 1.05c lb. |
| Litharge | 1 1/4c lb. |
| Red lead | 15/16c lb. |
| Orange mineral | 1c lb. |

ZINC

NOTE — Import duties on zinc-bearing ores, and on zinc in blocks, pigs and slabs were suspended February 12, 1952, and reimposed on July 24, 1952. Tax on old zinc and dross and skimmings reimposed July 1, 1953.

| | |
|--|------------|
| Zinc-bearing ores, except pyrites containing not more than 3% zinc, zinc content | 6/10c lb. |
| Zinc contained in zinc-bearing ores, n. e. s., not recoverable, zinc content | 6/10c lb. |
| Zinc, old and worn out, fit only for remanufacture | 3/4c lb. |
| Dross and skimmings | 3/4c lb. |
| Zinc in blocks, pigs or slabs | 7/10c lb. |
| Zinc in sheets | 1c lb. |
| Zinc sheets, plated with nickel or other base metal, or solutions | 1 1/4c lb. |

| | |
|--|-----------|
| Zinc dust | 7/10c lb. |
| Zinc die-casting alloys | 12 1/2% |
| Zinc oxide and leaded zinc oxides containing not more than 25% lead, dry | 3/5c lb. |
| ground in or mixed with oil or water | 1c lb. |

MISCELLANEOUS METALS AND ORES

| | |
|--|-----------------------------|
| Aluminum, metal and alloys, crude, except alloys elsewhere provided for† | 1.25c lb. |
| Aluminum scrap | free |
| Aluminum plates, sheets, bars, rods, circles, squares, etc.† | 2.50c lb. |
| Antimony ore, antimony content | free |
| Antimony metal and regulus | 2c lb. |
| Antimony needle or liquidated | 1/4c lb. |
| Antimony oxide | 1c lb. |
| Antimony sulphides | 1/2c lb. & 12 1/2% |
| Arsenic, metallic† | 2.50c lb. |
| Arsenious acid or white arsenic | free |
| Bauxite, crude* | free |
| Bauxite, refined** | 1/4c lb. |
| Bismuth | 1 1/2% |
| Bismuth salts and compounds | 35% |
| Beryllium metal† | 21% |
| Beryllium ore | free |
| Cadmium | 3 3/4c lb. |
| Cadmium flue dust, cadmium content | free |
| Chrome ore or chromite | free |
| Chrome or chromium metal† | 10 1/2% |
| Cobalt metal | free |
| Cobalt ore and concentrates, cobalt content | free |
| Magnesium, metallic† | 14.30c lb. |
| Magnesium powder, sheets, wire† | 17c lb. & 8 1/2% |
| Magnesium alloys | 20c lb. & 10% |
| Magnesium scrap | free |
| Manganese ores, containing over 10% manganese, manganese content | 1/4c lb., except Cuba, free |
| Molybdenum ore or concentrates, molybdenum content† | 30c lb. |
| Nickel ore, matte and oxide | free |
| Nickel and alloys, nickel chief value, n. s. p. f., in pigs, ingots, shot, cubes, grains, cathodes, or similar forms | 1 1/4c lb. |
| Nickel, bars, rods, plates, sheets, castings, strips, wire or electrodes | 12 1/2% |
| Nickel scrap | free |
| Nickel tubes, tubing | 6 1/4% |
| (if cold rolled, drawn or worked — 2 1/2% extra) | |
| Platinum, grain, nuggets, sponge and scrap, oz. troy | free |
| Platinum in ingots, bars, sheets, or plates, not less than 1/8 in. thick, oz. troy | free |
| Platinum, ores, platinum content, oz. troy | free |
| Quicksilver or mercury | 25c lb. |
| Selenium and salts | free |
| Tantalum | 12 1/2% |
| Tin ore, cassiterite, and black oxide of tin, tin content | free |
| Tin in bars, blocks, pigs, grain, granulated, and scrap, and alloys, chief value tin, n. s. p. f. | free |
| Tungsten ore or concentrates, tungsten content | 50c lb. |

*Crude bauxite import duty suspended to July 15, 1958. **Under Public Law 25 alumina imported for use in aluminum production is free for entries from July 17, 1956 to July 16, 1958. †Tariff reduced 5% on June 30, 1958, under Geneva Agreement which expires on June 30, 1959.

METAL MARKETS MARK TIME AWAITING OUTCOME OF MINERALS SUBSIDY LEGISLATION; COPPER AT 26½c

Lead Dips ¼c to 10.75c; Primary Aluminum Advances 7/10c; Zinc Unchanged; Consumer Tin Buying at Minimum; Platinum Easier; Quicksilver Stronger

August 18, 1958

THE copper, lead and zinc markets have been marking time while the Seaton minerals subsidy legislation is thrashed out in Congress.

All sellers of electro copper were at 26.50c a pound delivered although during the month in review the custom smelter price advanced and declined by 0.50c, moving up to 27.00c on August 1 and dropping back to 26.50c on August 6.

The lead price slid off 0.25c on August 13 to 10.75c a pound New York. Prime Western zinc was unchanged at 10.00c a pound East St. Louis but both lead and zinc were vulnerable pricewise.

Primary aluminum prices were increased 0.70c a pound on August 1 to reflect higher wage costs.

Copper Recession Over?

The feeling in most trading quarters was that the recession in copper was over, that the market had at least bottomed out. The improved sentiment reflected prospects of Government stockpiling of 150,000 tons of copper at prices up to 27.50c a pound, as provided in the Seaton minerals stabilization bill and the uptrend in foreign quotations for the metal.

On August 1 custom smelters advanced their domestic electro copper price 0.50c a pound to 27.00c delivered. On August 6 the smelter price reverted to 26.50c. The immediate reason for the half cent boost on August 1 was an increase in export interest rather than any sudden spurt in domestic consuming demand. The price on the London Metal Exchange had moved up to the equivalent of 26.25c a pound, with the £12 a ton premium being paid for wire bars bringing the foreign quotation to about 27.75c. Rather than sell their copper in the domestic market even at 27.00c a pound delivered, it was more profitable for custom smelters to sell for export, at around 26.50c to 27.00c f.a.s. U. S. ports.

Foreign buyers apparently were fearful they would not get all the copper they would need in the second half of this year, partly as a result of the Chilean strike earlier this year and partly because copper which formerly went to the Continent might be

moving to Russia and its satellites as soon as the restrictions on such sales were lifted. Soviet bloc nations are now able to buy copper, aluminum and a long list of other commodities previously classified as "strategic" from NATA countries and Japan. (See Washington Report on page 5 in this issue.)

The foreign price uptrend also reflected rumors abroad that should the U. S. Government begin buying 150,-

LATE NEWS DEVELOPMENTS

The House killed the minerals subsidy bill on August 21 by a 152 to 159 vote.

Kennecott's western copper mining properties to go on a six-day week production basis from the current five days during the first week in September.

Custom smelters reduced their scrap copper buying prices 0.50c on August 22 to a basis of 26.75c for No. 2 heavy copper and wire scrap.

St. Joseph Lead Co. announced it will cut lead output about 20 per cent starting August 25 by going from a five to four-day work week basis.

600 tons of domestic copper for the stockpile as provided for in the Seaton measure, the first purchase might take up at least 50,000 tons.

The half cent drop in the smelter quotation to 26.50c on August 6 followed a sharp slackening in export business and lower prices on the LME. With export demand down custom smelters found themselves unable to dispose of their intake, particularly to domestic consumers at 27.00c since there was plenty of metal from primary producers at 26.50c. The about-face and development of a downtrend in the LME quotations was attributed to uncertainty as to legislative progress of the Seaton bill which appeared likely to die in the House Rules Committee. Many factors in the industry also believed the change in sentiment was due to Kennecott's decision on August 4 to increase its production at its four copper mines in the U. S. by about 25 per cent. Kennecott said it was increasing its work week from four days to five, effective at once. A company spokesman said present business conditions were such "we feel it is possible to step up our work schedules."

Some claimed the Kennecott decision touched off a chain reaction, involving the lower prices in London, throwing a wet blanket over the prospects of stockpiling and of an early price rise to 27.50c a pound in the

domestic market, a freer flow of scrap at lower prices, and culminating in the smelter reduction to 26.50c on August 6.

July Copper Statistics

Those members of the trade that had anticipated a drop in refined copper shipments to domestic consumers during July, because many fabricating plants were closed for vacation periods, were not disappointed. The July refined copper figures follow, in tons, with June totals in parentheses: production, 110,130 (107,918); deliveries to domestic consumers, 77,523 (100,796); stocks in producers' hands at end of period, 242,781 (245,450).

May Copper Exports

The U. S. was a net exporter of copper in May (exports exceeded imports), a situation that has not prevailed for a long time. Since 1940, the U. S. has been a net importer of copper. Its changed status in May was largely due to the strike at Anaconda's property in Chile in April and to the fact that in order to take care of its foreign customers, Anaconda shipped domestic copper abroad.

May imports of copper in ore, blister and refined came to 30,794 tons, as against 51,485 tons in April. Exports of ore and refined in May were 37,844 tons, compared with 24,876 tons in the preceding month. The net exports in May (exports less imports) were 7,053 tons whereas in April the imports topped exports by 7,238 tons.

Lead Cut to 10¾c N. Y.

The lead price on August 13 was reduced 0.25c a pound to a basis of 10.75c New York. The price had been 11.00c since July 1. At 10.75c the price is the lowest that it has been since April, 1950. The LME lead quotation had been whittled away, with foreign consumption tapering off, to the point where it was slightly below the domestic parity. At the same time domestic sales had not been keeping pace with intake even though intake had been reduced.

Lead, Zinc Prices Vulnerable

Prices for domestic lead and zinc (10.00c a pound East St. Louis for, the Prime Western grade), remained vulnerable in view of the easier quotation for both metals on the LME.

Special High Grade zinc has been the real weak sister and it has been having difficulty in maintaining its 1.25c a pound premium over the Prime Western grade. There were reports that the premium was being shaved by some sellers.

The Seaton minerals subsidy program, which has had a strengthening effect on copper, had an opposite influence on both lead and zinc. It is believed in some quarters that Government subsidy payments, of 3.90c a pound on lead and 2.90c a pound on zinc, on actual sales of these metals by producers will stimulate their domestic production.

July Zinc Statistics

Zinc statistics for July made a good showing in spite of the moderate rise in unsold stocks. July slab zinc figures follow, in tons, with the June totals in parentheses: production, 65,119 (66,967); domestic shipments, 60,132 (54,487); total shipments to all destinations, 60,187 (54,658); stocks at end of period, 257,911 (252,979).

Aluminum Prices Raised

Aluminum Co. of America on August 1 increased the price of its basic aluminum pig 0.70c a pound, bringing the new price to 24.70c a pound. Alcoa

also made equivalent increases in the prices of alloy grades of pig, ingot and aluminum mill products. The price of primary aluminum ingot, 30-pound, 99½% plus grade, was advanced to 26.80c a pound. By August 4 all other major primary producers had matched the higher prices posted by Alcoa.

Alcoa said the price increases will only partially offset increased employment costs and restore only part of the two-cent per pound reduction — from 26.00c to 24.00c a pound — in the price of primary aluminum pig that the company was forced to make last April 1 when the price of the metal fell in the world market.

The secondary aluminum market also displayed more strength as the result of the increase in primary producers' quotations.

Tin Market Easier

The New York tin market has eased in recent trading. Spot Straits tin on August 18 was quoted at 94.00c a pound New York as against the last quotation in this space of 96.25c for July 18. The high for the July 18-August 18 period was the 96.25c level recorded on July 18 and 25, while the low was the 94.00c for August 18.

Consumers here, witnessing what

has been happening to prices on the LME, were inclined to wait and see what happens to the International Tin Agreement. Domestic tin purchases were being held to a minimum. For one thing, many consumers are now using other grades of tin than Straits because of the discounts they have been getting.

Silver Steady

The New York silver price was unchanged at 88.625c an ounce, which level was established on January 27 following a reduction of 0.50c an ounce.

Platinum Easier

The platinum market had a soft undertone. Major refiners maintained their prices at \$62 an ounce for wholesale quantities and \$65 an ounce for retail lots but the metal was available in the outside dealer market at \$57 an ounce. Consequently, the market on August 18 ranged from \$57 to \$65 an ounce.

Quicksilver Stronger

Quicksilver continued to display a strong tone with spot metal on August 18 quoted at \$240 to \$244 per flask of 76 pounds, as against the last range in this space of \$228 to \$230.

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NATIONAL BUSINESS PRESS

425 West 25th Street, New York 1, N. Y.

Daily Metal Quotations for June, 1958

The following quotations are taken from the Daily Metal Reporter*
(In Cents Per Pound)

| | Copper | | | Tin Straits New York | | Lead | | Zinc | | Alumi- num | | Anti- mony | | Silver | | | |
|------|------------------|-----------------------------------|---------------------------|----------------------------|--|--------|--------|----------|-------------------|----------------------|------------------------|--------------------------|----------------------|----------------------------|---------------------------------------|--|--------|
| | Producers' Price | Custom Smelters' or Outside Price | Electro R. o. b. Refinery | Lake Del. | Average Electrolytic Export Price F. a. s. N. Y. | Spot | Prompt | New York | Outside St. Louis | Prime West. E. o. b. | Prime West. Del. N. Y. | Brass Spec. E. St. Louis | High Grade Delivered | Spec. High Grade Delivered | 30-Lb. Ingot 99 1/2 % Plus (f. o. b.) | Domestic Spot 99.5 % Laredo (Cents Per Ounce) New York | |
| JULY | | | | | | | | | | | | | | | | | |
| 1 | 25.75 | 25.50 | 25.35 | 25.00 | Nom. | 94.125 | 94.125 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 2 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.25 | 94.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 3 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.25 | 94.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 5 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.25 | 94.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 7 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.125 | 94.125 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 8 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.00 | 94.00 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 9 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.00 | 94.00 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 10 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 93.875 | 93.875 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 11 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 93.875 | 93.875 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 12 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 93.875 | 93.875 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 14 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 93.875 | 93.875 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 15 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.375 | 94.375 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 16 | 25.75 | 26.00 | 25.35 | 25.00 | Nom. | 94.75 | 94.75 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 17 | 26.50 | 26.50 | 26.10 | 26.50 | Nom. | 95.50 | 95.50 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 18 | 26.50 | 26.50 | 26.10 | 26.50 | Nom. | 96.25 | 96.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 19 | 26.50 | 26.50 | 26.10 | 26.50 | Nom. | 96.25 | 96.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 21 | 26.50 | 26.50 | 26.10 | 26.50 | Nom. | 95.25 | 95.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 22 | 26.50 | 26.50 | 26.10 | 26.50 | Nom. | 95.125 | 95.125 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 23 | 26.50 | 26.50 | 26.10 | 26.50 | 26.25 | 95.25 | 95.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 24 | 26.50 | 26.50 | 26.10 | 26.50 | 26.375 | 96.00 | 96.00 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 25 | 26.50 | 26.50 | 26.10 | 26.50 | 26.375 | 96.25 | 96.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 26 | 26.50 | 26.50 | 26.10 | 26.50 | 26.375 | 96.25 | 96.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 28 | 26.50 | 26.50 | 26.10 | 26.50 | 26.375 | 95.75 | 95.75 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 29 | 26.50 | 26.50 | 26.10 | 26.50 | 26.25 | 95.625 | 95.625 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 30 | 26.50 | 26.50 | 26.10 | 26.50 | 26.375 | 95.625 | 95.625 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| 31 | 26.50 | 26.50 | 26.10 | 26.50 | 26.50 | 95.50 | 95.50 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| AV. | 26.125 | 26.231 | 25.725 | 25.75 | 26.333 | 94.892 | 94.892 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| HI. | 26.50 | 26.50 | 26.10 | 26.50 | 26.50 | 96.25 | 96.25 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |
| LO. | 25.00 | 25.50 | 24.60 | 25.00 | 26.00 | 93.875 | 93.875 | 11.00 | 10.80 | 10.00 | 10.50 | 10.25 | 11.00 | 11.25 | 26.10 | 29.00 | 88.625 |

* When split quotations prevail the daily average price is listed. The highs and lows for the month take into consideration the levels reached at both sides of such ranges.

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British Metal Review

(Continued from Page 13)

ed no great love for international commodity agreements in general although the Government is quite prepared to discuss each case on its merits. Probably the most that can be expected from the September discussions is that some form of international study group might emerge.

Bearing in mind the very lengthy gestation period of the other international commodity agreements now in force, it seems most unlikely that anything of the sort will soon become a market factor in connection with lead.

Zinc Marking Time

Although on the consumption side the zinc picture is less satisfactory than lead, owing principally to the quiet conditions prevailing in the galvanized sheet market, in other respects the zinc market has been under the influence of much the same considerations as lead.

Boiled down to simple language this means it is more or less marking

time pending the outcome of the consideration of the U. S. subsidy proposals by the various Congressional committees. If the subsidy is approved, even at the 2.9 cents level, it is felt here that it will result in a larger U. S. mine output.

While it has become possible to take a slightly more hopeful view of the U. S. industrial prospects, which should eventually help demand for zinc, it must be admitted that the economic outlook in Europe is not a particularly promising one for the next few months, so that it is not easy to see where any appreciable increase in consumer demand is to come from in the near future.

Washington Report

(Continued from Page 5)

merchandise from being sold in this country at less than its fair value, thus affecting domestic industry. The bill makes it easier to request dumping investigations and provides that prices used in sales of an item in the home market in the country of origin can be used to determine whether dumping

is taking place. The measure also requires the Treasury Department and Tariff Commission to make public their conclusions after a dumping inquiry.

White House Veto

Vetoed by President Eisenhower was a bill to extend the fluorspar and asbestos purchase program until the end of 1959.

Beryl Ore Program

The General Services Administration has announced that the final date to apply for participation in the purchase program for domestically produced beryl ore has been extended to December 31, 1961. The previous deadline was June 30, 1958.

To Appeal ICC Ruling

James Givan, attorney for major freight forwarders, said he will appeal the ruling of an Interstate Commerce Commission panel which suspended for up to seven months from August 13 new volume rates proposed by the forwarders. The Freight Forwarders Tariff Bureau had proposed new rates on large volume shipments moving from the East to West, and added to present rate schedules many new commodities and points to be served.

Lead Brands

Refined At

Federal, Ill., U. S.
Carteret, N. J., U. S.
Monterrey, Mexico
Port Pirie, Australia
Indianapolis, Ind., U. S.

Braubach a/Rhein, Germany

Idaho, U. S.
Orya, Peru
Collinsville, Ill., U. S.

Monterrey, N. L., Mexico
Alton, Ill., U. S.
Oker, Germany
Joplin, Mo., U. S.
Kamioka, Japan
Stolberg, Rhineland, Germany
Federal, Ill., U. S.
Chicago, Ill., U. S.
Hoboken, Belgium
Alton, Ill., U. S.
Omaha, Neb., U. S.
Monsanto, Ill., U. S.
Montepioni, Italy
San Gavino Monreale, Sardinia, Italy
Hammond, Ind., U. S.

Omaha, Neb., U. S.
Overpelt, Belgium

Megrine, Tunis
Penarroya, Sopwith & Cartagena, Spain

Perth Amboy, N. J., U. S.
Genoa, Italy
Alton, Ill., U. S.
Collinsville, Ill., U. S.
Selby, Calif., U. S.
Trail, B. C., Canada
Baelen-Usines, Belgium

Mexico, Yugoslavia
Perth Amboy, N. J., U. S.
Hoboken, Belgium
Midvale, Utah, U. S.
E. Chicago, Ind., U. S.
Norfolk, Va., U. S.
Staten Island, N. Y., U. S. A.
Newark, N. J., U. S. A.
Philadelphia, Pa., U. S. A.

*Deliverable against: Commodity Exchange, Inc., Lead Contracts without Certificate of Assay.

**Subsidiary of the American Metal Co., Ltd.

†Deliverable against Commodity Exchange, Inc., Lead Contracts with Certificate of Assay of one of the Official Assayers of the Exchange.

aSubsidiary of National Lead Co.

Producer

American Smelting & Refining Co.
United States Metals Refining Co.
American Smelting & Refining Co.
Broken Hill Associated Smelters
National Lead Co., American Lead Plant

Blei-und Silberhütte Braubach

Bunker Hill Smelter
Cerro de Pasco Copper Corp.
St. Louis Smelting & Refining Co.

Compania Metalurgica Penoles, S.A.
St. Joseph Lead Company
Unterharzer Berg- und Huttenwerke
Eagle-Picher Mining & Smelting Co.
Mitsui Mining Co.
Stolberger Zinc Aktiengesellschaft für Bergbau und Huttenbetrieb
American Smelting & Refining Co.
Goldsmith Bros. Smelting & Refining Co.
Societa Generale Metallurgica de Hoboken
St. Joseph Lead Company
International Smelting & Refining Co.
Lewin-Mathes Co.
Societa di Montepioni
Montevecchio Societa Italiana del Piombo e dello Zinco

Metals Refining Company

American Smelting & Refining Co.
Compagnie des Metaux d'Overpelt-Lommel et de Corphalie, S.A.

Ste. Min. & Metall. de Penarroya
Ete Min. & Met. de Penarroya

American Smelting & Refining Co.
Societa di Pertusola
St. Joseph Lead Company
St. Louis Smelting & Refining Co.
American Smelting & Refining Co.
Consolidated Mining & Smelting Co. of Canada, Ltd.
Ste. des Mines and Foundries de Zinc de la Vieille-Montagne

Anglem
Central European Mines, Limited
American Smelting & Refining Co.
The Taumeb Corporation
United States Smelting, Refining & Mining Company
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*Penarroya

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*Pertusola
*ST. JOE
†aST. L. S. & R. CO.
*SELBY
*TADANAC
*Three Stars
Vieille-Montagne Bar
*TRECA
*TSUMCO
*Tsumco
*USS CO.
*U S S CO ELECTRO
†aVIRGINIA
Nassau Blue
Hudson
Schuykill

Copper Statistics Reported by Copper Institute

Combined Totals in U. S. A. and Outside U. S. A.

| | Crude Production | | (In tons of 2,000 pounds) | | | Stock Increases or Decreases | | |
|-----------|------------------|-----------|---------------------------|---------------------------------------|---------------|------------------------------|----------|---------|
| | Primary | Secondary | Refined Production | Deliveries to Refined Stock Customers | End of Period | Blister | Refined | Total |
| 1957 | | | | | | | | |
| May | 249,564 | 10,456 | 276,063 | 257,144 | 376,761 | -16,043 | +13,298 | - 2,745 |
| June | 252,249 | 9,671 | 252,171 | 220,538 | 402,294 | + 9,749 | +23,533 | +33,652 |
| July | 224,304 | 7,403 | 239,756 | 204,360 | 430,301 | - 8,029 | +30,129 | +22,100 |
| August | 226,891 | 9,965 | 231,669 | 231,400 | 424,612 | + 5,187 | - 5,811 | - 624 |
| September | 234,981 | 7,562 | 228,480 | 225,831 | 418,929 | +14,063 | - 5,683 | + 8,380 |
| October | 254,845 | 9,726 | 266,938 | 246,078 | 428,032 | - 2,637 | + 9,103 | + 6,736 |
| November | 253,717 | 8,939 | 259,052 | 255,133 | 426,801 | + 3,604 | - 1,231 | + 2,373 |
| December | 245,183 | 9,238 | 264,272 | 218,347 | 458,340 | - 9,851 | +31,539 | +21,688 |
| Total | 2,897,719 | 123,270 | 3,035,588 | 2,853,307 | 458,340 | -14,599 | +103,920 | +89,321 |
| 1958 | | | | | | | | |
| January | 251,064 | 14,317 | 261,853 | 259,878 | 448,900 | + 3,528 | - 9,440 | - 5,912 |
| February | 230,716 | 6,506 | 247,562 | 224,709 | 469,747 | -10,340 | +20,847 | +10,507 |
| March | 247,942 | 8,972 | 259,157 | 229,941 | 493,326 | - 2,243 | +23,579 | +21,336 |
| April | 215,461 | 11,946 | 226,895 | 210,412 | 501,166 | + 512 | + 7,840 | + 8,352 |
| May | 218,387 | 11,190 | 225,771 | 212,993 | 498,516 | + 3,806 | - 2,650 | + 1,156 |
| June | 214,283 | 11,414 | 228,387 | 240,825 | 476,823 | - 2,540 | -21,963 | -24,233 |
| July | 216,542 | 9,362 | 229,689 | 220,801 | 475,275 | - 3,785 | - 1,548 | - 5,333 |

In U. S. A.

| | | | | | | | | |
|-----------|-----------|---------|-----------|-----------|---------|-------|---------|-------|
| 1957 | | | | | | | | |
| April | 98,910 | 11,160 | 144,013 | 116,816 | 139,842 | ..... | - 349 | ..... |
| May | 96,334 | 9,618 | 151,785 | 121,101 | 155,365 | ..... | +15,523 | ..... |
| June | 95,893 | 8,792 | 134,640 | 102,479 | 165,549 | ..... | +10,184 | ..... |
| July | 88,141 | 6,386 | 127,805 | 85,219 | 191,515 | ..... | +25,966 | ..... |
| August | 89,680 | 9,246 | 128,480 | 107,622 | 192,931 | ..... | + 1,416 | ..... |
| September | 87,270 | 6,925 | 117,821 | 103,718 | 176,813 | ..... | -16,118 | ..... |
| October | 93,078 | 9,029 | 129,832 | 114,032 | 166,976 | ..... | - 9,837 | ..... |
| November | 90,045 | 8,312 | 129,051 | 107,549 | 161,552 | ..... | - 5,424 | ..... |
| December | 95,285 | 8,613 | 136,135 | 84,446 | 181,024 | ..... | +19,472 | ..... |
| Total | 1,116,380 | 112,060 | 1,616,964 | 1,277,946 | 181,024 | ..... | +60,379 | ..... |
| 1958 | | | | | | | | |
| January | 94,735 | 13,855 | 136,748 | 110,557 | 176,287 | ..... | - 4,737 | ..... |
| February | 87,130 | 6,222 | 128,299 | 93,784 | 201,223 | ..... | +24,936 | ..... |
| March | 90,366 | 8,607 | 130,075 | 78,683 | 238,641 | ..... | +37,418 | ..... |
| April | 86,123 | 11,475 | 120,467 | 81,930 | 251,099 | ..... | +12,558 | ..... |
| May | 80,628 | 10,488 | 115,978 | 78,631 | 253,463 | ..... | + 2,364 | ..... |
| June | 71,092 | 10,980 | 107,918 | 100,796 | 244,450 | ..... | - 8,013 | ..... |
| July | 64,416 | 8,704 | 110,310 | 77,523 | 242,781 | ..... | - 2,669 | ..... |

Outside U. S. A.*

| | | | | | | | | |
|----------|-----------|--------|-----------|-----------|---------|-------|---------|-------|
| 1957 | | | | | | | | |
| Apr. | 135,999 | 1,209 | 108,844 | 136,579 | 223,621 | ..... | - 5,444 | ..... |
| May | 153,230 | 838 | 124,278 | 136,043 | 221,396 | ..... | - 2,220 | ..... |
| June | 156,356 | 879 | 117,531 | 118,059 | 234,745 | ..... | +13,349 | ..... |
| July | 138,183 | 1,017 | 111,951 | 119,231 | 238,908 | ..... | + 4,163 | ..... |
| Aug. | 137,211 | 719 | 103,189 | 123,778 | 231,681 | ..... | - 7,227 | ..... |
| Sept. | 147,711 | 637 | 110,659 | 122,113 | 242,116 | ..... | +10,435 | ..... |
| Oct. | 161,767 | 697 | 137,106 | 132,046 | 261,056 | ..... | +18,940 | ..... |
| Nov. | 163,672 | 627 | 130,001 | 147,591 | 265,249 | ..... | + 4,193 | ..... |
| December | 149,898 | 625 | 128,137 | 133,901 | 277,316 | ..... | +12,067 | ..... |
| Total | 1,783,119 | 11,210 | 1,418,624 | 1,575,361 | 277,316 | ..... | +43,541 | ..... |
| 1958 | | | | | | | | |
| January | 156,329 | 462 | 125,105 | 149,321 | 272,613 | ..... | - 4,703 | ..... |
| February | 143,586 | 284 | 119,263 | 130,925 | 268,524 | ..... | - 4,089 | ..... |
| March | 157,606 | 365 | 129,082 | 151,258 | 254,685 | ..... | -13,839 | ..... |
| April | 129,338 | 471 | 106,428 | 128,482 | 250,067 | ..... | - 4,618 | ..... |
| May | 137,759 | 702 | 109,793 | 134,302 | 245,053 | ..... | - 5,014 | ..... |
| June | 143,191 | 584 | 120,469 | 140,029 | 231,373 | ..... | -13,680 | ..... |
| July | 152,126 | 658 | 119,559 | 143,278 | 232,494 | ..... | + 1,121 | ..... |

* Excluding Russia, Yugoslavia, Norway, Sweden, Japan and Australia.

Electrolytic Copper

Producers' Price, Del. Valley
Monthly Average Prices
(Cents Per Pound)

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|--------|--------|--------|
| Jan. | 30.24 | 43.00 | 36.00 | 25.69 |
| Feb. | 33.00 | 44.03 | 33.318 | 25.00 |
| Mar. | 33.222 | 46.00 | 32.00 | 25.00 |
| Apr. | 36.00 | 46.00 | 32.00 | 25.00 |
| May | 36.00 | 46.00 | 32.00 | 25.00 |
| June | 36.00 | 46.00 | 30.955 | 25.36 |
| July | 36.00 | 41.56 | 29.25 | 26.125 |
| Aug. | 37.81 | 40.00 | 28.639 | ..... |
| Sept. | 43.00 | 40.00 | 27.031 | ..... |
| Oct. | 43.00 | 39.308 | 27.00 | ..... |
| Nov. | 43.00 | 36.00 | 27.00 | ..... |
| Dec. | 43.00 | 36.00 | 27.00 | ..... |
| Aver. | 37.522 | 41.992 | 30.183 | ..... |

Electrolytic Copper

Custom Smelters' Price, Del. Valley
Monthly Average Prices
(Cents Per Pound)

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|--------|--------|--------|
| Jan. | 30.48 | 50.22 | 34.87 | 24.577 |
| Feb. | 33.00 | 52.07 | 32.273 | 23.557 |
| Mar. | 33.667 | 53.11 | 30.952 | 23.326 |
| Apr. | 36.00 | 48.88 | 31.24 | 23.66 |
| May | 36.00 | 44.221 | 30.163 | 23.865 |
| June | 36.00 | 40.00 | 29.60 | 25.52 |
| July | 36.00 | 38.14 | 28.39 | 26.231 |
| Aug. | 40.14 | 39.32 | 27.862 | ..... |
| Sept. | 50.00 | 39.00 | 25.948 | ..... |
| Oct. | 45.99 | 37.192 | 25.722 | ..... |
| Nov. | 45.84 | 35.96 | 25.435 | ..... |
| Dec. | 49.42 | 35.45 | 25.26 | ..... |
| Aver. | 39.38 | 42.797 | 28.93 | ..... |

Lake Copper

Producers' Price Delivered
Monthly Average Prices
(Cents Per Pound)

| | 1955 | 1956 | 1957 | 1958 |
|-------|-------|--------|--------|-------|
| Jan. | 30.12 | 43.00 | 36.00 | 25.69 |
| Feb. | 33.00 | 43.783 | 33.182 | 25.00 |
| Mar. | 33.56 | 46.00 | 32.00 | 25.00 |
| Apr. | 36.00 | 46.00 | 32.00 | 25.00 |
| May | 36.00 | 46.00 | 32.00 | 25.00 |
| June | 36.00 | 46.00 | 30.955 | 25.00 |
| July | 36.00 | 41.68 | 29.25 | 25.75 |
| Aug. | 37.46 | 40.00 | 28.611 | ..... |
| Sept. | 43.00 | 40.00 | 27.00 | ..... |
| Oct. | 43.00 | 39.321 | 27.00 | ..... |
| Nov. | 43.00 | 36.00 | 27.00 | ..... |
| Dec. | 43.00 | 36.00 | 27.00 | ..... |
| Aver. | 37.51 | 41.975 | 30.162 | ..... |

Fabricators' Copper Statistics

(In tons of 2,000 pounds)

| | Fabricators' Stocks of Refined Cop. | Unfilled Purchases of Refined by Fab. from Producers | Fabricators' Working Stocks | Unfilled Sales by Fabricators to Customers | Actual Copper Consumed by Fabricators | Excess Fabricators' Stocks Over Orders Rkd. |
|-------|-------------------------------------|--|-----------------------------|--|---------------------------------------|---|
| 1952 | | | | | | |
| Total | 331,499 | 32,652 | 292,157 | 275,608 | 1,391,477 | -203,614 |
| 1953 | | | | | | |
| Total | 380,881 | 25,022 | 309,664 | 170,917 | 1,375,869 | -74,678 |
| 1954 | | | | | | |
| Total | 360,526 | 58,125 | 304,619 | 136,581 | 1,231,840 | -22,549 |
| 1955 | | | | | | |
| Dec. | 389,974 | 139,094 | 314,145 | 293,264 | 127,715 | -78,341 |
| Total | ..... | ..... | ..... | ..... | 1,418,241 | ..... |
| 1956 | | | | | | |
| Jan. | 376,753 | 143,815 | 312,128 | 305,942 | 138,600 | -97,502 |
| Feb. | 388,823 | 135,637 | 319,279 | 282,314 | 130,973 | -77,133 |
| Mar. | 392,143 | 140,348 | 319,056 | 291,465 | 133,609 | -78,030 |
| Apr. | 413,979 | 135,071 | 319,247 | 266,239 | 121,961 | -36,436 |
| May | 435,083 | 131,023 | 318,592 | 249,352 | 124,727 | -1,838 |
| June | 451,126 | 114,223 | 324,970 | 227,097 | 113,835 | +13,282 |
| July | 465,015 | 109,040 | 334,584 | 220,810 | 81,275 | +18,661 |
| Aug. | 457,679 | 115,295 | 338,818 | 221,975 | 117,427 | +12,181 |
| Sept. | 445,679 | 114,981 | 338,488 | 204,154 | 115,867 | +18,018 |
| Oct. | 440,706 | 112,893 | 336,856 | 198,517 | 119,440 | +18,226 |
| Nov. | 435,216 | 110,792 | 335,829 | 178,814 | 119,441 | +31,365 |
| Dec. | 437,187 | 117,601 | 336,217 | 183,834 | 99,223 | +34,737 |
| Total | ..... | ..... | ..... | ..... | 1,416,378 | ..... |
| 1957 | | | | | | |
| Jan. | 435,635 | 107,231 | 335,944 | 178,326 | 119,517 | +28,596 |
| Feb. | 422,266 | 110,174 | 334,542 | 178,913 | 114,298 | +18,985 |
| Mar. | 429,410 | 104,551 | 338,454 | 164,623 | 106,170 | +30,884 |
| Apr. | 429,708 | 98,638 | 335,921 | 164,410 | 117,041 | +28,015 |
| May | 434,852 | 92,943 | 336,697 | 170,476 | 115,355 | +20,622 |
| June | 432,905 | 82,919 | 340,743 | 153,042 | 110,527 | +16,039 |
| July | 432,918 | 85,728 | 341,684 | 144,410 | 77,991 | +32,552 |
| Aug. | 429,627 | 82,768 | 344,315 | 144,375 | 110,323 | +23,826 |
| Sept. | 425,168 | 80,436 | 344,530 | 144,538 | 106,927 | +16,536 |
| Oct. | 420,130 | 80,774 | 341,869 | 138,420 | 119,161 | +20,615 |
| Nov. | 428,520 | 68,249 | 345,832 | 128,719 | 98,725 | +22,218 |
| Dec. | 430,171 | 75,627 | 347,465 | 138,631 | 83,067 | +19,702 |
| Total | ..... | ..... | ..... | ..... | 1,279,086 | ..... |
| 1958 | | | | | | |
| Jan. | 445,514 | 57,917 | 348,426 | 123,756 | 94,642 | +31,249 |
| Feb. | 452,673 | 52,342 | 351,035 | 128,330 | 86,625 | +25,650 |
| Mar. | 448,125 | 71,693 | 346,875 | 141,387 | 83,694 | +31,556 |
| Apr. | 450,442 | 76,602 | 347,607 | 145,623 | 79,613 | +33,814 |
| May | 441,001 | 78,194 | 346,404 | 138,190 | 88,447 | +34,601 |
| June | 433,526 | 72,383 | 330,301 | 145,162 | 109,011 | +30,448 |
| July | 431,796 | 77,362 | 326,263 | 153,529 | 79,353 | +29,366 |

Scrap Copper Receipts by Custom Smelters and Refineries in United States*

(In Short Tons)

| | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|-------|---------|---------|--------|--------|---------|---------|---------|---------|---------|--------|
| Jan. | 17,084 | 15,763 | 6,640 | 4,528 | 6,456 | 9,859 | 11,047 | 14,322 | 17,506 | 16,024 |
| Feb. | 20,238 | 12,500 | 5,153 | 3,633 | 10,337 | 8,490 | 15,198 | 14,497 | 11,145 | 9,518 |
| Mar. | 20,678 | 13,538 | 7,912 | 5,243 | 19,991 | 9,738 | 12,198 | 15,921 | 13,934 | 11,783 |
| Apr. | 15,968 | 12,304 | 8,553 | 6,214 | 16,583 | 9,004 | 13,162 | 17,233 | 14,288 | 15,279 |
| May | 14,237 | 8,749 | 8,458 | 8,033 | 10,857 | 8,687 | 15,133 | 20,805 | 12,397 | 13,989 |
| June | 8,809 | 20,523 | 8,628 | 4,425 | 10,945 | 13,309 | 14,765 | 14,758 | 11,949 | 13,945 |
| July | 7,782 | 10,040 | 6,642 | 5,188 | 9,063 | 10,260 | 9,988 | 12,632 | 8,926 | 12,185 |
| Aug. | 8,246 | 10,452 | 6,113 | 5,003 | 7,137 | 10,100 | 12,197 | 12,510 | 11,645 | ..... |
| Sept. | 10,980 | 4,903 | 3,561 | 4,667 | 9,042 | 10,641 | 15,037 | 9,518 | 9,756 | ..... |
| Oct. | 6,401 | 9,459 | 3,336 | 4,602 | 10,065 | 11,662 | 12,897 | 15,570 | 13,151 | ..... |
| Nov. | 15,347 | 9,237 | 3,179 | 4,724 | 7,815 | 10,879 | 9,865 | 11,369 | 11,146 | ..... |
| Dec. | 10,533 | 17,178 | 4,538 | 6,208 | 11,476 | 14,876 | 13,180 | 14,613 | 11,237 | ..... |
| Total | 156,303 | 142,067 | 71,812 | 62,470 | 129,798 | 127,449 | 154,714 | 173,748 | 147,080 | ..... |

* As compiled by Copper Institute.

Brass and Bronze Ingot Monthly Shipments (Net Tons)

The following figures showing the combined shipments of ingot brass and bronze are compiled by the Ingot Brass and Bronze industry and represent in excess of 95 per cent of the deliveries of the entire industry.

| | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Jan. | 26,998 | 19,456 | 18,874 | 28,415 | 28,315 | 24,423 | 20,661 | 25,201 | 27,736 | 25,681 | 20,468 |
| Feb. | 22,487 | 15,026 | 18,487 | 27,168 | 24,211 | 25,429 | 19,920 | 25,349 | 24,949 | 20,769 | 17,413 |
| Mar. | 24,282 | 14,550 | 22,494 | 31,997 | 23,890 | 28,256 | 23,653 | 29,713 | 28,310 | 21,948 | 18,825 |
| Apr. | 25,177 | 10,696 | 22,118 | 30,472 | 22,547 | 25,044 | 24,746 | 27,641 | 25,808 | 23,507 | 18,009 |
| May | 23,716 | 11,114 | 23,643 | 33,267 | 21,740 | 21,560 | 22,269 | 23,708 | 23,437 | 22,037 | 17,191 |
| June | 24,401 | 9,696 | 25,093 | 33,817 | 21,274 | 20,818 | 22,348 | 23,141 | 18,842 | 18,888 | 17,962 |
| July | 20,456 | 10,220 | 21,609 | 32,016 | 18,947 | 19,321 | 17,074 | 18,513 | 17,364 | 16,695 | 16,658 |
| Aug. | 24,098 | 14,194 | 26,689 | 25,285 | 21,807 | 20,156 | 21,684 | 27,018 | 23,812 | 19,654 | ..... |
| Sept. | 23,641 | 16,208 | 28,811 | 22,285 | 22,770 | 21,463 | 22,464 | 26,349 | 20,929 | 19,670 | ..... |
| Oct. | 21,559 | 18,026 | 32,240 | 23,124 | 25,811 | 22,280 | 24,080 | 25,228 | 23,045 | 22,800 | ..... |
| Nov. | 21,731 | 18,488 | 31,748 | 23,544 | 23,441 | 21,806 | 23,061 | 25,102 | 21,818 | 19,767 | ..... |
| Dec. | 20,954 | 17,950 | 28,575 | 20,987 | 22,983 | 20,541 | 21,274 | 21,448 | 18,046 | 16,875 | ..... |
| Total | 279,500 | 175,643 | 303,563 | 332,378 | 277,736 | 271,251 | 263,233 | 298,406 | 274,096 | 248,291 | ..... |
| Aver. | 21,292 | 14,637 | 25,297 | 27,615 | 23,145 | 22,624 | 21,336 | 24,867 | 22,841 | 20,681 | ..... |

Mine Production of Copper in United States

| | (U. S. Bureau of Mines) | (In short tons) | | |
|-------|-------------------------|-----------------|-----------|-----------|
| | Eastern | Missouri | Western | Total |
| 1955 | | | | |
| Ttl. | 68,622 | 2,140 | 921,838 | 992,600 |
| 1956 | | | | |
| Nov. | 6,498 | 150 | 81,984 | 88,632 |
| Dec. | 6,603 | 150 | 80,452 | 87,205 |
| Ttl. | 79,681 | 2,130 | 1,018,496 | 1,100,307 |
| 1957 | | | | |
| Jan. | 6,607 | 172 | 86,431 | 93,210 |
| Feb. | 6,082 | 163 | 84,011 | 90,256 |
| Mar. | 6,714 | 196 | 88,257 | 95,167 |
| Apr. | 6,579 | 237 | 86,627 | 94,443 |
| May | 7,198 | 200 | 85,876 | 93,274 |
| June | 7,793 | 129 | 82,398 | 90,320 |
| July | 6,101 | 154 | 78,502 | 84,757 |
| Aug. | 7,572 | 133 | 79,892 | 87,038 |
| Sept. | 6,083 | 132 | 79,623 | 85,338 |
| Oct. | 4,614 | 147 | 82,992 | 87,753 |
| Nov. | 7,063 | 70 | 80,848 | 87,981 |
| Dec. | 6,962 | 67 | 81,080 | 88,109 |
| Ttl. | 79,369 | 1,800 | 995,753 | 1,076,922 |
| 1958 | | | | |
| Jan. | 7,615 | 164 | 82,476 | 90,255 |
| Feb. | 6,826 | 125 | 74,766 | 81,717 |
| Mar. | 7,517 | 123 | 79,594 | 87,234 |
| April | 7,035 | 161 | 76,911 | 84,107 |
| May | 6,522 | 152 | 71,612 | 78,286 |

Average Custom Smelters' Scrap Buying Prices

(Cents per pound for carload lots del. consumers' works)

| | No. 1 Copper Scrap | No. 2 Copper Scrap | Light Copper Scrap | Refinery Brase* |
|-------|--------------------|--------------------|--------------------|-----------------|
| 1957 | | | | |
| Apr. | 26.895 | 25.395 | 23.145 | 24.695 |
| May | 25.985 | 24.485 | 22.235 | 23.735 |
| June | 25.353 | 23.853 | 21.603 | 23.35 |
| July | 24.21 | 22.71 | 20.46 | 22.03 |
| Aug. | 23.26 | 21.76 | 19.51 | 21.29 |
| Sept. | 21.198 | 19.698 | 18.948 | 18.964 |
| Oct. | 21.28 | 19.78 | 17.53 | 19.00 |
| Nov. | 21.293 | 19.793 | 17.543 | 19.10 |
| Dec. | 20.78 | 19.28 | 17.03 | 18.58 |
| Av. | 24.38 | 22.88 | 20.76 | 22.11 |
| 1958 | | | | |
| Jan. | 19.44 | 17.94 | 15.69 | 17.70 |
| Feb. | 18.955 | 17.455 | 15.205 | 16.932 |
| Mar. | 19.21 | 17.71 | 15.46 | 16.92 |
| Apr. | 19.60 | 18.10 | 15.85 | 17.56 |
| May | 20.02 | 18.52 | 16.27 | 17.894 |
| June | 21.93 | 20.43 | 18.18 | 19.76 |
| July | 22.52 | 21.02 | 18.77 | 20.26 |

*Of dry content for material having a dry copper content in excess of 60%.

Brass Ingot Makers' Scrap Copper Buying Prices

(Average Prices)
(Cents per pound del. refinery for 60,000 lbs. of each grade)

| | No. 1 Copper Scrap | No. 2 Copper Scrap | No. 1 Composition | Heavy Yellow Brase |
|-------|--------------------|--------------------|-------------------|--------------------|
| 1957 | | | | |
| Apr. | 26.895 | 25.395 | 23.50 | 17.50 |
| May | 25.985 | 24.485 | 23.144 | 17.144 |
| June | 25.353 | 23.853 | 22.83 | 16.65 |
| July | 24.21 | 22.71 | 22.01 | 15.71 |
| Aug. | 23.26 | 21.76 | 21.56 | 15.63 |
| Sept. | 21.198 | 19.698 | 18.635 | 13.563 |
| Oct. | 21.28 | 19.78 | 19.067 | 13.24 |
| Nov. | 21.293 | 19.793 | 19.043 | 12.913 |
| Dec. | 20.78 | 19.28 | 18.94 | 12.94 |
| Av. | 24.37 | 22.87 | 21.804 | 15.66 |
| 1958 | | | | |
| Jan. | 19.44 | 17.94 | 17.77 | 12.19 |
| Feb. | 18.955 | 17.455 | 17.06 | 11.341 |
| Mar. | 19.21 | 17.71 | 17.274 | 11.88 |
| Apr. | 19.60 | 18.10 | 17.75 | 12.35 |
| May | 19.923 | 18.423 | 18.038 | 12.769 |
| June | 21.93 | 20.43 | 19.02 | 13.43 |
| July | 22.52 | 21.02 | 19.24 | 13.53 |

United States Lead Statistics of Primary Refineries

(American Bureau of Metal Statistics)
(In tons of 2,000 lbs.)

| | Stock At Beginning | Production Primary & Secondary | Total Supply | Stock At End | Domestic Shipments |
|-----------------|--------------------|--------------------------------|--------------|--------------|--------------------|
| 1953 | 43,560 | 533,883 | 577,443 | 81,152 | 488,437 |
| 1954 | 81,152 | 551,618 | 632,770 | 92,719 | 475,551 |
| 1955 | 28,855 | 547,153 | 639,872 | 31,089 | 531,339 |
| 1956 | | | | | |
| September | 39,304 | 53,530 | 92,834 | 40,542 | 47,519 |
| October | 40,542 | 54,815 | 95,357 | 42,314 | 45,254 |
| November | 42,314 | 50,744 | 93,058 | 37,192 | 47,349 |
| December | 37,192 | 54,063 | 91,254 | 41,181 | 44,191 |
| Total | | 613,293 | 644,382 | .... | 529,484 |
| 1957 | | | | | |
| January | 41,181 | 50,854 | 92,035 | 42,905 | 40,549 |
| February | 42,905 | 48,102 | 90,917 | 48,699 | 37,517 |
| March | 48,699 | 52,357 | 101,056 | 46,184 | 38,225 |
| April | 46,184 | 56,170 | 102,354 | 57,444 | 37,583 |
| May | 57,444 | 51,718 | 109,162 | 58,085 | 35,334 |
| June | 58,085 | 48,203 | 106,288 | 64,861 | 37,257 |
| July | 64,861 | 47,100 | 111,961 | 68,009 | 38,582 |
| August | 68,009 | 48,191 | 116,200 | 60,633 | 49,406 |
| September | 60,633 | 50,436 | 111,069 | 54,682 | 51,859 |
| October | 54,682 | 52,041 | 106,723 | 59,041 | 40,447 |
| November | 59,041 | 48,771 | 107,812 | 70,874 | 32,193 |
| December | 70,874 | 50,500 | 121,374 | 91,598 | 24,108 |
| Total | | 604,353 | 645,534 | .... | 463,060 |
| 1958 | | | | | |
| January | 91,598 | 47,665 | 139,263 | 101,206 | 33,422 |
| February | 101,206 | 47,133 | 148,339 | 119,522 | 23,832 |
| March | 119,522 | 43,441 | 162,963 | 128,754 | 28,885 |
| April | 128,754 | 40,984 | 169,738 | 143,136 | 22,172 |
| May | 143,136 | 47,487 | 190,623 | 155,121 | 30,021 |
| June | 155,121 | 44,636 | 199,757 | 163,504 | 32,078 |
| July | 163,504 | 38,827 | 202,331 | 164,860 | 31,948 |

In instances where the figures are not in balance it is due to shipments to other than domestic consumers.

Industrial Classification of Domestic Lead Shipments

(American Bureau of Metal Statistics)

(In tons of 2,000 lbs.)

| | Cable | Amm. | Foil | Batt'y | Brass Making | Sundries | Jobbers | Unclassified |
|-------------|--------|--------|-------|--------|--------------|----------|---------|--------------|
| 1954 | 75,412 | 30,246 | 2,811 | 66,088 | 5,192 | 57,369 | 9,170 | 229,264 |
| 1955 | | | | | | | | |
| Total | 72,418 | 27,599 | 2,622 | 88,461 | 3,960 | 52,994 | 13,034 | 270,251 |
| 1956 | | | | | | | | |
| Jan. | 7,777 | 3,075 | 200 | 6,555 | 290 | 8,538 | 917 | 22,394 |
| Feb. | 5,974 | 2,435 | 384 | 5,983 | 275 | 3,592 | 871 | 19,897 |
| Mar. | 6,786 | 1,300 | 101 | 4,903 | 321 | 3,915 | 1,331 | 20,687 |
| Apr. | 6,744 | 2,950 | 310 | 4,839 | 260 | 3,522 | 1,376 | 24,985 |
| May | 6,490 | 2,825 | ... | 5,027 | 131 | 3,513 | 964 | 21,753 |
| June | 8,502 | 2,150 | ... | 4,167 | 186 | 3,645 | 1,021 | 21,787 |
| July | 3,497 | 904 | ... | 5,007 | 80 | 2,859 | 1,453 | 22,683 |
| Aug. | 7,712 | 1,497 | 85 | 6,234 | 713 | 4,443 | 1,262 | 26,358 |
| Sept. | 6,354 | 1,850 | 135 | 6,303 | 230 | 5,038 | 1,339 | 26,270 |
| Oct. | 7,988 | 1,715 | 135 | 7,108 | 286 | 4,955 | 1,493 | 21,574 |
| Nov. | 6,096 | 2,351 | ... | 8,556 | 226 | 5,573 | 792 | 23,755 |
| Dec. | 6,440 | 1,449 | 85 | 5,832 | 160 | 7,258 | 394 | 22,573 |
| Total | 80,360 | 24,501 | 1,435 | 70,614 | 3,158 | 56,851 | 13,213 | 274,716 |
| 1957 | | | | | | | | |
| Jan. | 5,297 | 2,800 | 200 | 6,886 | 671 | 4,002 | 1,191 | 19,502 |
| Feb. | 5,103 | 1,450 | 350 | 6,549 | 508 | 4,820 | 625 | 18,112 |
| Mar. | 5,956 | 752 | ... | 6,479 | 686 | 4,614 | 1,064 | 18,674 |
| Apr. | 6,731 | 2,250 | ... | 6,242 | 909 | 2,958 | 1,040 | 17,453 |
| May | 6,976 | 2,200 | 120 | 4,705 | 270 | 3,871 | 634 | 16,558 |
| June | 3,726 | 2,250 | 75 | 3,762 | 666 | 5,071 | 1,087 | 20,620 |
| July | 5,249 | 1,650 | 105 | 5,332 | 566 | 5,310 | 1,110 | 19,260 |
| Aug. | 5,406 | 2,250 | 220 | 6,165 | 650 | 6,246 | 1,403 | 27,066 |
| Sept. | 4,880 | 2,700 | 295 | 6,722 | 850 | 5,782 | 891 | 29,739 |
| Oct. | 3,671 | 3,300 | 205 | 5,973 | 881 | 4,203 | 847 | 21,367 |
| Nov. | 2,950 | 2,500 | 85 | 3,126 | 493 | 3,600 | 706 | 18,533 |
| Dec. | 2,499 | 1,350 | 36 | 2,820 | 270 | 2,607 | 529 | 13,997 |
| Total | 58,444 | 25,452 | 1,691 | 64,761 | 7,420 | 53,284 | 11,127 | 240,881 |
| 1958 | | | | | | | | |
| Jan. | 2,938 | 550 | 70 | 4,775 | 521 | 5,173 | 801 | 18,594 |
| Feb. | 2,899 | 1,750 | 70 | 5,124 | 90 | 1,643 | 888 | 11,368 |
| Mar. | 3,133 | 1,200 | 35 | 4,711 | 681 | 3,149 | 908 | 15,068 |
| Apr. | 3,207 | 900 | 70 | 3,138 | 580 | 2,831 | 533 | 10,913 |
| May | 3,216 | 1,850 | 35 | 4,671 | 866 | 3,071 | 1,027 | 15,285 |
| June | 3,463 | 1,950 | 35 | 2,767 | 480 | 4,217 | 1,716 | 17,450 |
| July | 3,169 | 1,250 | 275 | 3,936 | 515 | 4,157 | 1,052 | 17,594 |

Lead Prices at New York

(Common Grade)

Monthly Average Prices
(Cents per pound)

| | 1955 | 1956 | 1957 | 1958 |
|------------|-------|--------|--------|--------|
| Jan. | 15.00 | 16.16 | 16.00 | 13.00 |
| Feb. | 15.00 | 16.00 | 16.00 | 13.00 |
| Mar. | 15.00 | 16.00 | 16.00 | 13.00 |
| Apr. | 15.00 | 16.00 | 16.00 | 12.00 |
| May | 15.00 | 16.00 | 15.385 | 11.712 |
| June | 15.00 | 16.00 | 14.32 | 11.24 |
| July | 15.00 | 16.00 | 14.00 | 11.00 |
| Aug. | 15.00 | 16.00 | 14.00 | |
| Sept. | 15.12 | 16.00 | 14.00 | |
| Oct. | 15.50 | 16.00 | 13.704 | |
| Nov. | 15.50 | 16.00 | 13.50 | |
| Dec. | 15.56 | 16.00 | 13.00 | |
| Aver. | 15.14 | 16.013 | 14.66 | |

Lead Sheet Prices

(To Jobbers, Full Sheets)

Monthly Average Prices
(Cents per pound)

| | 1955 | 1956 | 1957 | 1958 |
|------------|-------|-------|--------|--------|
| Jan. | 20.00 | 21.66 | 21.50 | 18.50 |
| Feb. | 20.00 | 21.50 | 21.50 | 18.50 |
| Mar. | 20.00 | 21.50 | 21.50 | 18.50 |
| Apr. | 20.00 | 21.50 | 21.50 | 17.50 |
| May | 20.00 | 21.50 | 20.885 | 17.212 |
| June | 20.00 | 21.50 | 19.82 | 16.74 |
| July | 20.00 | 21.50 | 19.82 | 16.50 |
| Aug. | 20.00 | 21.50 | 19.50 | |
| Sept. | 20.12 | 21.50 | 19.50 | |
| Oct. | 20.50 | 21.50 | 19.204 | |
| Nov. | 20.50 | 21.50 | 19.00 | |
| Dec. | 20.56 | 21.50 | 18.50 | |

Battery Shipments

The following table shows replacement battery shipments in the United States as compiled by the Business Information Division of Dun & Bradstreet, Inc., for the Association of American Battery Manufacturers:

(In thousands of units)

| | 1955 | 1956 | 1957 | 1958 |
|-------------|--------|--------|--------|-------|
| Jan. | 1,518 | 2,058 | 2,638 | 2,003 |
| Feb. | 1,691 | 1,340 | 1,960 | 1,803 |
| Mar. | 1,356 | 1,346 | 1,254 | 1,570 |
| Apr. | 1,315 | 1,368 | 1,178 | 1,239 |
| May | 1,614 | 1,761 | 1,604 | 1,454 |
| June | 1,842 | 1,807 | 1,878 | 1,791 |
| July | 2,078 | 2,178 | 2,469 | .... |
| Aug. | 2,852 | 2,571 | 2,855 | .... |
| Sept. | 3,120 | 2,711 | 2,692 | .... |
| Oct. | 3,120 | 3,015 | 3,041 | .... |
| Nov. | 2,697 | 2,592 | 2,359 | .... |
| Dec. | 2,625 | 2,265 | 2,012 | .... |
| Total | 25,828 | 25,014 | 25,940 | .... |

METALS, JULY, 1958

Lead Stocks at Primary U. S. Smelters and Refiners

(American Bureau of Metal Statistics)

(In tons of 2,000 lbs.)

| | In ore and matte and in process at smelters | — In base bullion (lead content) — At smelters & refineries | In transit to refineries | In process at refineries | Refined pig lead | Anti- monial lead | Total Stocks |
|-------------|--|--|--------------------------------|--------------------------------|------------------------|-------------------------|-----------------|
| 1956 | | | | | | | |
| May 1 | 74,887 | 15,500 | 2,718 | 24,181 | 43,268 | 10,690 | 171,194 |
| June 1 | 78,987 | 15,477 | 2,475 | 26,682 | 39,558 | 10,902 | 174,081 |
| July 1 | 81,796 | 15,837 | 4,423 | 28,505 | 36,499 | 9,452 | 176,512 |
| Aug. 1 | 76,985 | 16,856 | 3,516 | 29,603 | 35,210 | 10,924 | 176,094 |
| Sept. 1 | 81,634 | 18,529 | 2,874 | 29,991 | 29,230 | 10,074 | 172,332 |
| Oct. 1 | 77,787 | 15,991 | 4,413 | 28,083 | 29,361 | 11,181 | 166,816 |
| Nov. 1 | 78,253 | 12,022 | 3,083 | 25,783 | 30,932 | 11,382 | 161,485 |
| Dec. 1 | 82,197 | 9,095 | 4,132 | 25,627 | 25,360 | 11,832 | 158,243 |
| 1957 | | | | | | | |
| Jan. 1 | 77,918 | 12,222 | 2,846 | 25,092 | 29,435 | 11,746 | 159,249 |
| Feb. 1 | 80,451 | 10,636 | 4,061 | 25,827 | 32,418 | 10,487 | 163,880 |
| Mar. 1 | 81,274 | 11,880 | 4,394 | 25,728 | 38,479 | 10,220 | 171,975 |
| Apr. 1 | 82,461 | 14,598 | 3,593 | 25,401 | 36,390 | 9,794 | 172,237 |
| May 1 | 81,061 | 17,035 | 2,705 | 20,890 | 48,053 | 9,391 | 179,135 |
| June 1 | 81,364 | 11,585 | 3,071 | 21,002 | 48,286 | 9,799 | 175,107 |
| July 1 | 82,730 | 12,036 | 3,560 | 22,380 | 55,358 | 9,503 | 185,567 |
| Aug. 1 | 97,111 | 11,479 | 2,532 | 22,917 | 59,348 | 8,661 | 202,048 |
| Sept. 1 | 84,205 | 13,029 | 2,667 | 22,439 | 51,080 | 9,553 | 182,973 |
| Oct. 1 | 80,662 | 11,905 | 3,175 | 20,351 | 44,467 | 10,215 | 170,775 |
| Nov. 1 | 76,230 | 14,220 | 2,538 | 18,695 | 47,460 | 11,581 | 170,724 |
| Dec. 1 | 65,341 | 11,646 | 3,547 | 21,867 | 59,755 | 11,119 | 173,275 |
| 1958 | | | | | | | |
| Jan. 1 | 79,362 | 11,019 | 2,779 | 23,154 | 79,741 | 11,857 | 207,912 |
| Feb. 1 | 79,738 | 11,510 | 3,678 | 24,535 | 88,517 | 12,689 | 220,667 |
| Mar. 1 | 79,588 | 9,546 | 3,670 | 22,834 | 107,213 | 12,309 | 235,250 |
| Apr. 1 | 83,185 | 10,692 | 2,187 | 21,766 | 116,610 | 12,144 | 246,584 |
| May 1 | 86,053 | 11,838 | 2,138 | 20,524 | 130,668 | 12,468 | 263,689 |
| June 1 | 79,482 | 11,059 | 2,010 | 20,188 | 141,967 | 13,154 | 267,860 |
| July 1 | 80,317 | 9,012 | 1,570 | 22,092 | 150,648 | 12,856 | 276,495 |

Receipts of Lead in Ore and Scrap

By U. S. Smelters (a)

(American Bureau of Metal Statistics)

(In tons of 2,000 lbs.)

| | Receipts of lead in ore | | | Receipts of lead in scrap etc. (b) | Total receipts in ore, & scrap |
|-------------------|-------------------------|----------------|----------------|---|---|
| | United States | Foreign | Total | | |
| 1952 Total | 406,990 | 98,276 | 504,266 | 41,845 | 546,111 |
| 1953 Total | 351,183 | 155,788 | 506,971 | 42,994 | 549,965 |
| 1954 Total | 336,291 | 158,081 | 494,372 | 49,864 | 544,236 |
| 1955 Total | 341,595 | 172,966 | 514,561 | 42,996 | 557,557 |
| 1956 | | | | | |
| June | 31,546 | 16,251 | 47,797 | 4,541 | 52,338 |
| July | 29,964 | 13,476 | 43,440 | 3,207 | 46,647 |
| August | 31,112 | 20,726 | 51,838 | 5,885 | 57,723 |
| September | 28,731 | 16,276 | 45,007 | 3,351 | 48,358 |
| October | 33,614 | 12,350 | 45,964 | 5,439 | 51,403 |
| November | 30,553 | 14,308 | 44,861 | 5,141 | 50,002 |
| December | 31,154 | 15,095 | 46,252 | 4,536 | 50,788 |
| Total | 368,499 | 192,318 | 560,817 | 55,925 | 616,792 |
| 1957 | | | | | |
| January | 30,632 | 19,961 | 50,593 | 4,471 | 55,064 |
| February | 31,410 | 15,059 | 46,469 | 4,564 | 51,033 |
| March | 33,445 | 18,813 | 52,258 | 3,058 | 55,316 |
| April | 31,343 | 13,042 | 44,385 | 2,848 | 47,233 |
| May | 32,138 | 12,324 | 44,462 | 3,431 | 47,893 |
| June | 29,896 | 19,592 | 49,488 | 2,272 | 51,760 |
| July | 29,585 | 17,936 | 47,521 | 2,893 | 50,414 |
| August | 29,225 | 18,774 | 47,999 | 3,190 | 51,189 |
| September | 26,479 | 13,757 | 40,236 | 4,375 | 44,611 |
| October | 29,342 | 13,782 | 43,124 | 4,386 | 47,510 |
| November | 25,809 | 17,251 | 43,060 | 3,258 | 46,318 |
| December | 27,105 | 26,610 | 53,715 | 3,791 | 57,506 |
| Total | 356,409 | 206,901 | 563,310 | 42,537 | 605,847 |
| 1958 | | | | | |
| January | 25,537 | 22,097 | 47,634 | 3,507 | 51,141 |
| February | 23,789 | 16,400 | 40,189 | 2,184 | 42,373 |
| March | 21,735 | 20,038 | 41,773 | 3,154 | 44,927 |
| April | 25,104 | 15,821 | 40,925 | 1,913 | 42,838 |
| May | 27,427 | 10,228 | 37,655 | 1,867 | 39,522 |
| June | 28,577 | 13,811 | 42,388 | 1,366 | 43,754 |

(a) Receipts of lead in ore are computed on the basis of recoverable lead. Owing to the estimational factor in this, which is probably on the low side, and also to the possibility that some lead receipts may escape attention, these monthly totals probably understate the actual production of pig lead. (b) inclusive only of scrap smelted in connection with ore, plus some scrap received by primary refiners.

METALS, AUGUST, 1958

N. Y. Lead Price Changes (Effective Date)

| (Effective Date) | | | |
|------------------|------------|-------|------------|
| 1950 | | Apr. | 21...12.00 |
| Mar. | 9...11.00 | Apr. | 29...12.50 |
| Mar. | 14...10.50 | May | 18...12.75 |
| Apr. | 20...10.75 | May | 19...13.00 |
| Apr. | 26...11.00 | May | 26...13.15 |
| May | 4...11.25 | June | 11...13.50 |
| May | 10...11.50 | July | 20...13.75 |
| May | 11...12.00 | July | 23...14.00 |
| June | 23...11.50 | Sept. | 16...13.50 |
| June | 28...11.00 | 1954 | |
| July | 12...11.50 | Jan. | 18...13.00 |
| July | 13...12.00 | Feb. | 18...12.50 |
| Aug. | 15...13.00 | Mar. | 9...12.75 |
| Aug. | 21...14.00 | Mar. | 10...13.00 |
| Sept. | 1...15.00 | Mar. | 26...13.25 |
| Sept. | 8...16.00 | Mar. | 29...13.50 |
| Oct. | 31...17.00 | Apr. | 1...13.75 |
| 1951 | | Apr. | 12...14.00 |
| Oct. | 2...19.00 | June | 2...14.25 |
| 1952 | | June | 15...14.00 |
| Apr. | 29...18.00 | Aug. | 25...14.25 |
| May | 2...17.00 | Sept. | 7...14.50 |
| May | 12...15.00 | Sept. | 15...14.75 |
| June | 23...15.50 | Oct. | 4...14.875 |
| June | 24...16.00 | Oct. | 5...15.00 |
| Oct. | 7...15.00 | 1955 | |
| Oct. | 14...14.00 | Sept. | 23...15.00 |
| Oct. | 22...13.50 | | 15.50 |
| Nov. | 3...14.00 | Sept. | 26...15.50 |
| Nov. | 10...14.25 | Dec. | 29...16.00 |
| Nov. | 11...14.50 | 1956 | |
| Nov. | 20...14.25 | Jan. | 4...16.50 |
| Nov. | 24...14.00 | Jan. | 13...16.00 |
| Dec. | 22...14.25 | 1957 | |
| Dec. | 29...14.50 | May | 9...15.50 |
| Dec. | 31...14.75 | May | 16...15.00 |
| 1953 | | June | 11...14.00 |
| Jan. | 7...14.50 | Oct. | 14...13.50 |
| Jan. | 12...14.00 | Dec. | 2...13.00 |
| Feb. | 2...13.50 | 1958 | |
| Mar. | 4...13.00 | Apr. | 1...12.00 |
| Mar. | 10...13.50 | May | 14...11.50 |
| Apr. | 7...13.00 | June | 2...11.50 |
| Apr. | 16...12.50 | June | 3...11.00 |
| | | June | 18...11.50 |
| | | July | 1...11.00 |
| | | Aug. | 13...10.75 |

**OPS Ceiling.

Antimonial Lead Stocks at Primary Refineries

(A.B.M.S.)

| | (In tons of 2,000 lbs.) | | | |
|---------|-------------------------|--------|--------|--------|
| End of. | 1955 | 1956 | 1957 | 1958 |
| Jan. | 14,902 | 8,389 | 10,487 | 12,689 |
| Feb. | 12,204 | 9,095 | 10,220 | 12,309 |
| Mar. | 12,385 | 10,289 | 9,794 | 12,144 |
| Apr. | 11,740 | 10,690 | 9,391 | 12,468 |
| May | 11,055 | 10,902 | 9,799 | 13,154 |
| June | 10,233 | 9,452 | 9,503 | 12,856 |
| July | 9,779 | 10,924 | 8,661 | 10,482 |
| Aug. | 7,252 | 10,074 | 9,553 | .... |
| Sept. | 7,461 | 11,181 | 10,215 | .... |
| Oct. | 8,085 | 11,382 | 11,581 | .... |
| Nov. | 9,263 | 11,832 | 11,119 | .... |
| Dec. | 9,893 | 11,746 | 11,857 | .... |

Antimonial Lead Production by Primary Refineries

(A.B.M.S.)

| | (In tons of 2,000 lbs.) | | | |
|---------|-------------------------|-------|-------|-------|
| End of. | 1955 | 1956 | 1957 | 1958 |
| Jan. | 4,529 | 5,045 | 5,113 | 3,743 |
| Feb. | 4,777 | 5,888 | 5,468 | 3,657 |
| Mar. | 6,202 | 5,526 | 5,091 | 3,527 |
| Apr. | 5,343 | 5,818 | 6,183 | 3,655 |
| May | 4,737 | 5,405 | 6,978 | 4,827 |
| June | 4,792 | 4,456 | 4,466 | 3,992 |
| July | 1,153 | 3,853 | 5,372 | 2,775 |
| Aug. | 2,946 | 5,343 | 7,967 | .... |
| Sept. | 6,650 | 6,709 | 7,574 | .... |
| Oct. | 8,016 | 5,378 | 6,148 | .... |
| Nov. | 7,985 | 6,993 | 3,791 | .... |
| Dec. | 6,907 | 5,766 | 3,290 | .... |

Total 64,037 66,180 67,541

U. S. Lead Consumption

(Bureau of Mines — In Short Tons)

| Metal Products | 1958 | | |
|---|----------------|---------------|---------------|
| | Jan.-Apr. | Mar. | Apr. |
| Ammunition | 14,046 | 3,705 | 3,592 |
| Bearing metals | 6,494 | 1,465 | 1,579 |
| Brass & bronze | 5,920 | 1,417 | 1,517 |
| Cable covering | 24,134 | 6,098 | 6,659 |
| Calking lead | 19,178 | 4,315 | 5,840 |
| Casting metals | 2,467 | 635 | 754 |
| Collapsible tubes | 2,717 | 657 | 631 |
| Foil | 1,024 | 232 | 326 |
| Pipes, traps & bends | 6,843 | 1,650 | 1,675 |
| Sheet lead | 7,346 | 1,860 | 1,556 |
| Solder | 18,640 | 4,530 | 4,135 |
| Storage battery grids, posts, etc. | 47,109 | 11,583 | 12,827 |
| Storage battery oxides | 48,076 | 12,050 | 11,705 |
| Terne metal | 585 | 63 | 56 |
| Type metal | 8,653 | 2,122 | 2,309 |
| Total | 213,232 | 52,382 | 55,161 |
| Pigments: | | | |
| White lead | 2,562 | 685 | 611 |
| Red lead & litharge | 19,105 | 4,849 | 4,950 |
| Pigment colors | 3,493 | 872 | 990 |
| Other* | 933 | 190 | 259 |
| Total | 26,093 | 6,596 | 6,810 |
| Chemicals: | | | |
| Tetraethyl lead | 54,322 | 14,899 | 13,416 |
| Misc. chemicals | 961 | 249 | 112 |
| Total | 55,283 | 15,148 | 13,528 |
| Miscellaneous uses: | | | |
| Annealing | 1,309 | 318 | 319 |
| Galvanizing | 825 | 98 | 62 |
| Lead plating | 63 | 10 | 6 |
| Weights & ballast | 1,704 | 436 | 425 |
| Total | 3,411 | 862 | 812 |
| Other uses | | | |
| unclassified | 5,220 | 1,032 | 1,070 |
| Total reported† | 303,239 | 76,020 | 77,381 |
| Estimated unreported consumption | 8,000 | 2,000 | 2,000 |
| Grand total† | 311,200 | 78,000 | 79,400 |
| Daily average‡ | 2,593 | 2,516 | 2,447 |

* Includes lead content of leaded zinc oxide production.

† Includes lead content of scrap used directly in fabricated products.

‡ Based on number of days in month without adjustment for Sundays and holidays.

Consumers' Lead Stocks, Receipts and Consumption

(Bureau of Mines — In Short Tons)

| | Stocks | | Net Receipts | Consumed | Stocks Apr. 30, 1958 |
|------------------------------|----------------|---------------|----------------|----------------|----------------------------|
| | Mar. 31, 1958 | In Apr. | | | |
| Soft lead | 71,504 | 48,357 | 50,304 | 69,557 | |
| Antimonial lead | 33,886 | 19,705 | 19,837 | 33,754 | |
| Lead in alloys | 7,122 | 2,393 | 2,622 | 6,893 | |
| Lead in copper-base scrap .. | 1,438 | 1,187 | 1,230 | 1,395 | |
| Total | 113,950 | 71,642 | *73,993 | 111,599 | |

* Excludes 3,156 tons of lead which went directly from scrap to fabricated products and 232 tons of lead contained in leaded zinc oxide production.

Consumption of Lead by Class of Product

(Bureau of Mines — In Short Tons)

| | APRIL | | | | |
|----------------------|---------------|-----------------|----------------|---------------------------|----------------|
| | Soft lead | Antimonial lead | Lead in alloys | Lead in copper-base scrap | Total |
| Metal products | 28,765 | 19,399 | 2,611 | 1,230 | 52,005 |
| Pigments | 6,561 | 17 | ... | ... | 6,578 |
| Chemicals | 13,527 | 1 | ... | ... | 13,528 |
| Miscellaneous | 469 | 342 | 1 | ... | 812 |
| Unclassified | 982 | 78 | 10 | ... | 1,070 |
| Total | 50,304 | 19,837 | 2,622 | 1,230 | *73,993 |

* Excludes 3,156 tons of lead which went directly from scrap to fabricated products and 232 tons of lead contained in leaded zinc oxide production.

U. K. Lead Consumption

(British Bureau of Non-Ferrous Metal Statistics)

| | (In tons of 2,240 pounds) | | |
|--------------------|---------------------------|----------------|------------|
| | 1956 | 1957 | 1958 |
| Jan. | 31,012 | 29,657 | 29,607 |
| Feb. | 30,125 | 29,219 | 27,855 |
| Mar. | 30,099 | 29,144 | 29,713 |
| Apr. | 28,186 | 27,246 | 26,230 |
| May | 29,752 | 31,574 | 28,839 |
| June | 31,501 | 28,607 | 28,624 |
| July | 26,963 | 27,604 | ... |
| Aug. | 25,077 | 24,756 | ... |
| Sept. | 30,274 | 29,519 | ... |
| Oct. | 32,057 | 32,486 | ... |
| Nov. | 32,036 | 31,060 | ... |
| Dec. | 25,963 | 26,530 | ... |
| Total | 353,045 | 347,699 | ... |

American Antimony

Monthly Average Prices

In bulk, f.o.b. Laredo

(Cents per lb. in ton lots)

| | 1955 | 1956 | 1957 | 1958 |
|-------------------|--------------|--------------|--------------|------------|
| Jan. | 28.50 | 33.00 | 33.00 | 33.00 |
| Feb. | 28.50 | 33.00 | 33.00 | 30.818 |
| Mar. | 28.50 | 33.00 | 33.00 | 29.00 |
| Apr. | 28.50 | 33.00 | 33.00 | 29.00 |
| May | 28.50 | 33.00 | 33.00 | 29.00 |
| June | 28.50 | 33.00 | 33.00 | 29.00 |
| July | 28.50 | 33.00 | 33.00 | 29.00 |
| Aug. | 30.66 | 33.00 | 33.00 | ... |
| Sept. | 33.00 | 33.00 | 33.00 | ... |
| Oct. | 33.00 | 33.00 | 33.00 | ... |
| Nov. | 33.00 | 33.00 | 33.00 | ... |
| Dec. | 33.00 | 33.00 | 33.00 | ... |
| Aver. | 30.18 | 33.00 | 33.00 | ... |

Lead Imports and Exports By Principal Countries

(A. B. M. S.)

Reported in pigs, bars, etc.; metric tons except where otherwise noted.

| | IMPORTS | | |
|----------------------|---------|--------|--------|
| | Mar. | Apr. | May |
| U. S.† (s.t.) | 41,330 | 35,899 | ... |
| Canada (s.t.) | 1 | ... | ... |
| Belgium | 925 | ... | ... |
| Denmark | 747 | 1,815 | 947 |
| France | 2,164 | 4,030 | 1,950 |
| Germany, W.†† .. | 3,024 | ... | ... |
| Italy‡ | 1,419 | ... | ... |
| Netherlands | 2,057 | 2,527 | 2,392 |
| Norway | 1,109 | ... | ... |
| Sweden | 466 | 1,344 | ... |
| Switzerland | 886 | 2,018 | 1,046 |
| U. K. (l.t.) | 7,110 | 9,509 | 12,153 |
| India* (l.t.) | 1,210 | 1,992 | ... |
| EXPORTS | | | |
| U. S.† (s.t.) | 45 | 25 | 7,764 |
| Canada (s.t.) | 9,497 | 7,449 | 7,764 |
| Belgium | 4,718 | ... | ... |
| Denmark | 243 | 371 | 288 |
| France | 426 | 1,194 | 1,588 |
| Germany, W.†† .. | 3,718 | ... | ... |
| Italy‡ | 3 | ... | ... |
| Netherlands | 355 | 246 | 349 |
| Sweden | 174 | 293 | ... |
| Switzerland | 8 | 17 | ... |
| Northern | | | |
| Rhodesia* (l.t.) .. | 831 | 1,011 | ... |
| Australia* (l.t.) .. | 14,394 | ... | ... |

† Refined.

†† Includes scrap.

‡ Includes lead alloys.

* British Bureau of Non-Ferrous Metal Statistics.

French Lead Imports

(A. B. M. S.)

(In metric tons)

| | 1958 | | |
|--------------------------|-------|--------|--------|
| | Mar. | Apr. | May |
| Ore (gross weight) | 8,660 | 10,056 | 10,686 |
| Algeria | ... | ... | 676 |
| Morocco | 8,660 | 10,056 | 9,062 |
| Fr. Eq. Africa .. | ... | ... | 948 |
| Pig lead | 2,164 | 4,030 | 1,950 |
| Belgium | 51 | 6 | ... |
| Germany (W.) .. | ... | ... | 74 |
| Algeria | ... | 20 | 8 |
| Morocco | 953 | 1,611 | 467 |
| Tunisia | 1,160 | 2,393 | 1,144 |
| Other countries .. | ... | ... | 3 |
| Australia | ... | ... | 254 |
| Antimonial lead .. | 1,341 | ... | ... |

U. K. Lead Imports

(British Bureau of Non-Ferrous Metal Statistics)

| | (In tons of 2,240 lbs.) | | |
|--------------------|-------------------------|--------|--------|
| | Apr. | May | June |
| (Gross Weight) | | | |
| Lead and | | | |
| lead alloys | 9,509 | 12,153 | 18,115 |
| Australia | 5,877 | 7,090 | 11,840 |
| Canada | 3,175 | 3,405 | 3,355 |
| Belgium | 50 | 450 | ... |
| Yugoslavia | ... | 492 | ... |
| Peru | 448 | 650 | 600 |
| Other countries .. | 9 | 958 | 1,378 |

METALS, AUGUST, 1958

Domestic Zinc Statistics

American Zinc Institute

Commencing with January, 1948, all regularly operating U. S. primary and secondary smelters are included in this report. Production from foreign ores also is included.
(Tons of 2,000 lbs.)

| | Stock Begin- ning | Pro- duc- tion | Shipments | | | Stock at End | Daily Avg. Prod. |
|---------------|-------------------------|----------------------|---------------|----------------------|---------------|-----------------|------------------------|
| | | | Domes- tic | Export & Drawback | Gov't Acct | | |
| 1950 Total | 94,221 | 910,354 | 849,246 | 18,189 | 128,256 | 995,691 | 2,494 |
| 1950 Mo. Avg. | | 75,863 | 70,770 | 1,516 | 10,688 | 82,974 | |
| 1951 Total | 8,884 | 931,833 | 836,800 | 42,067 | 39,949 | 918,816 | 2,553 |
| 1951 Mo. Avg. | | 77,653 | 69,733 | 3,506 | 3,329 | 76,568 | |
| 1952 Total | 21,901 | 961,430 | 803,343 | 56,202 | 36,626 | 896,171 | 2,627 |
| 1952 Mo. Avg. | | 80,119 | 66,945 | 4,683 | 3,052 | 74,681 | |
| 1953 Total | 87,160 | 971,191 | 818,850 | 16,326 | 42,332 | 877,508 | 2,661 |
| 1953 Mo. Avg. | | 80,933 | 68,238 | 1,361 | 3,528 | 73,126 | |
| 1954 Total | 180,843 | 868,242 | 787,922 | 27,929 | 108,957 | 924,808 | 2,379 |
| 1954 Mo. Avg. | | 72,353 | 65,660 | 2,327 | 9,080 | 77,067 | |
| 1955 Total | 40,979 | 1,031,018 | 1,007,619 | 19,497 | 87,200 | 1,114,316 | 2,825 |
| 1955 Mo. Avg. | | 85,918 | 83,968 | 1,625 | 7,267 | 92,860 | |
| 1956 | | | | | | | |
| April | 40,038 | 88,664 | 74,789 | 1,437 | 4,570 | 80,795 | 2,955 |
| May | 47,907 | 81,238 | 59,085 | 287 | 10,196 | 69,568 | 2,620 |
| June | 59,577 | 78,321 | 53,048 | 539 | 15,085 | 68,672 | 2,611 |
| July | 69,226 | 83,080 | 34,219 | 811 | 14,501 | 49,531 | 2,680 |
| August | 102,775 | 89,549 | 70,707 | 1,235 | 16,075 | 88,017 | 2,889 |
| September | 104,307 | 90,235 | 73,142 | 934 | 18,301 | 92,377 | 3,008 |
| October | 102,165 | 93,493 | 84,991 | 465 | 21,392 | 106,848 | 3,016 |
| November | 88,810 | 91,808 | 82,478 | 787 | 27,168 | 110,433 | 3,060 |
| December | 70,185 | 98,234 | 80,772 | 671 | 18,354 | 99,797 | 3,169 |
| 1956 Total | | 1,062,954 | 869,270 | 9,027 | 167,014 | 1,035,311 | 2,904 |
| 1956 Mo. Avg. | | 88,560 | 72,439 | 752 | 13,085 | 86,275 | |
| 1957 | | | | | | | |
| January | 68,622 | 93,452 | 67,273 | 450 | 15,377 | 83,100 | 3,014 |
| February | 78,974 | 88,078 | 67,731 | 1,527 | 10,905 | 80,163 | 3,146 |
| March | 86,889 | 96,924 | 67,441 | 1,558 | 25,608 | 94,697 | 3,127 |
| April | 89,357 | 96,506 | 55,000 | 1,411 | 23,921 | 80,332 | 3,217 |
| May | 105,531 | 96,855 | 60,729 | 2,106 | 26,858 | 89,693 | 3,124 |
| June | 112,693 | 90,719 | 54,275 | 1,358 | 14,324 | 69,957 | 3,024 |
| July | 133,455 | 85,779 | 57,862 | 4,497 | 11,186 | 73,055 | 2,767 |
| August | 146,179 | 84,166 | 70,318 | 860 | 9,871 | 81,049 | 2,715 |
| September | 149,296 | 77,455 | 62,111 | 530 | 10,344 | 72,985 | 2,582 |
| October | 153,766 | 81,492 | 66,225 | 372 | 12,736 | 78,333 | 2,829 |
| November | 158,925 | 79,754 | 73,437 | 581 | 9,148 | 89,166 | 2,658 |
| December | 152,531 | 86,270 | 62,730 | 210 | 9,188 | 72,128 | 2,783 |
| 1957 Total | | 1,067,450 | 765,132 | 15,460 | 179,466 | 815,567 | |
| 1958 | | | | | | | |
| January | 166,655 | 82,343 | 58,211 | 641 | 9,805 | 68,657 | 2,656 |
| February | 180,346 | 86,354 | 49,072 | 446 | 9,993 | 59,511 | 2,441 |
| March | 189,189 | 72,274 | 48,948 | 111 | 8,763 | 57,822 | 2,331 |
| April | 203,641 | 70,214 | 46,598 | 159 | 5,927 | 52,684 | 2,340 |
| May | 221,171 | 71,018 | 51,390 | 129 | ... | 51,519 | 2,291 |
| June | 240,670 | 66,967 | 54,487 | 171 | ... | 54,658 | 2,232 |
| July | 252,979 | 65,119 | 60,312 | 55 | ... | 60,187 | 2,101 |

U. S. Consumption of Slab Zinc

| | Bureau of Mines By Industries (Short Tons) | | | | | Total |
|------------|---|----------------|-------------------|----------------|-----------------------|-----------|
| | Galvan- izers | Die Casters | Brass products | Rolled zinc | Zinc oxide & other | |
| 1950 Total | 434,094 | 281,385 | 136,451 | 67,779 | 27,656 | 947,365 |
| 1951 Total | 386,373 | 266,442 | 141,456 | 64,000 | 28,738 | 887,009 |
| 1952 Total | 376,563 | 236,022 | 155,311 | 51,508 | 30,825 | 849,289 |
| 1953 Total | 403,162 | 205,346 | 177,301 | 53,784 | 38,037 | 977,636 |
| 1954 Total | 398,599 | 286,817 | 107,293 | 45,979 | 33,342 | 876,130 |
| 1955 Total | 439,694 | 404,790 | 144,816 | 50,363 | 39,302 | 1,081,468 |
| 1956 | | | | | | |
| May | 38,064 | 26,003 | 12,218 | 3,431 | 1,260 | 80,976 |
| June | 37,005 | 21,790 | 8,351 | 3,454 | 1,315 | 71,915 |
| July | 12,960 | 21,425 | 5,193 | 3,187 | 2,883 | 45,648 |
| August | 33,840 | 26,814 | 8,420 | 4,222 | 2,959 | 76,255 |
| September | 37,313 | 26,998 | 8,370 | 3,397 | 3,280 | 79,358 |
| October | 40,875 | 34,985 | 10,164 | 4,158 | 3,695 | 93,877 |
| November | 36,767 | 32,812 | 9,581 | 3,625 | 3,539 | 87,224 |
| December | 32,790 | 33,238 | 8,799 | 3,140 | 3,405 | 82,272 |
| Total | 421,218 | 352,451 | 122,395 | 45,382 | 36,251 | 989,097 |
| 1957 | | | | | | |
| January | 34,337 | 37,517 | 10,800 | 3,502 | 3,434 | 90,490 |
| February | 31,686 | 32,520 | 9,156 | 3,284 | 3,206 | 80,752 |
| March | 30,747 | 30,946 | 8,860 | 3,553 | 3,378 | 78,384 |
| April | 30,631 | 29,166 | 9,491 | 4,001 | 3,300 | 77,489 |
| May | 30,537 | 28,423 | 9,563 | 3,389 | 3,097 | 75,909 |
| June | 29,907 | 27,688 | 8,710 | 3,613 | 2,646 | 73,464 |
| July | 26,067 | 26,116 | 6,361 | 2,698 | 2,981 | 65,123 |
| August | 27,885 | 29,237 | 9,755 | 3,686 | 3,099 | 74,562 |
| September | 28,651 | 31,051 | 9,588 | 2,911 | 1,590 | 75,976 |
| October | 32,940 | 35,499 | 10,952 | 3,385 | 1,783 | 87,898 |
| November | 28,025 | 31,396 | 10,024 | 2,843 | 1,255 | 76,595 |
| December | 24,383 | 27,927 | 7,854 | 2,679 | 1,427 | 67,421 |
| Total | 355,796 | 358,543 | 111,114 | 39,544 | 20,486 | 924,063 |
| 1958 | | | | | | |
| January | 26,861 | 26,348 | 9,115 | 3,183 | 1,664 | 69,295 |
| February | 24,598 | 22,629 | 7,279 | 2,716 | 1,316 | 60,347 |
| March | 27,171 | 19,045 | 6,871 | 3,138 | 1,724 | 59,978 |
| April | 27,464 | 17,829 | 6,392 | 3,259 | 1,295 | 58,432 |
| May | 30,935 | 18,316 | 6,597 | 2,896 | 959 | 61,907 |

Prime Western Zinc Prices (East St. Louis, f.o.b.)

| | (Cents per pound) (In tons of 2,240 pounds) | | | |
|-------|--|--------|--------|-------|
| | 1955 | 1956 | 1957 | 1958 |
| Jan. | 11.50 | 13.46 | 13.50 | 10.00 |
| Feb. | 11.50 | 13.50 | 13.50 | 10.00 |
| Mar. | 11.50 | 13.50 | 13.50 | 10.00 |
| Apr. | 11.93 | 13.50 | 13.50 | 10.00 |
| May | 12.00 | 13.50 | 11.933 | 10.00 |
| June | 12.25 | 13.50 | 10.84 | 10.00 |
| July | 12.50 | 13.50 | 10.00 | 10.00 |
| Aug. | 12.50 | 13.50 | 10.00 | |
| Sept. | 12.96 | 13.50 | 10.00 | |
| Oct. | 13.02 | 13.50 | 10.00 | |
| Nov. | 13.00 | 13.50 | 10.00 | |
| Dec. | 13.00 | 13.50 | 10.00 | |
| Aver. | 12.305 | 13.497 | 11.40 | |

High Grade Zinc Prices

| | (Delivered) N. Y. Monthly Averages (Cents per pound) | | | |
|-------|--|--------|--------|--------|
| | 1955 | 1956 | 1957 | 1958 |
| Jan. | 12.85 | 14.81 | 14.85 | 11.35 |
| Feb. | 12.85 | 14.85 | 14.85 | 11.35 |
| Mar. | 12.85 | 14.85 | 14.85 | 11.35 |
| Apr. | 13.28 | 14.85 | 14.85 | 11.084 |
| May | 13.35 | 14.85 | 13.283 | 11.00 |
| June | 13.60 | 14.85 | 12.19 | 11.00 |
| July | 13.85 | 14.85 | 11.35 | 11.00 |
| Aug. | 13.85 | 14.85 | 11.35 | |
| Sept. | 14.31 | 14.85 | 11.35 | |
| Oct. | 14.37 | 14.85 | 11.35 | |
| Nov. | 14.35 | 14.85 | 11.35 | |
| Dec. | 14.35 | 14.85 | 11.35 | |
| Aver. | 13.655 | 14.847 | 12.75 | |

U. K. Zinc Consumption

| | (British Bureau of Non-Ferrous Metal Statistics) (In Tons of 2,240 Pounds) | | |
|-------|--|---------|--------|
| | 1956 | 1957 | 1958 |
| Jan. | 29,779 | 28,485 | 27,473 |
| Feb. | 29,568 | 26,276 | 24,551 |
| Mar. | 28,650 | 27,049 | 26,967 |
| Apr. | 25,348 | 24,247 | 24,984 |
| May | 27,922 | 29,589 | 24,579 |
| June | 26,650 | 25,202 | 25,587 |
| July | 23,826 | 25,934 | ... |
| Aug. | 18,867 | 20,381 | ... |
| Sept. | 25,470 | 27,792 | ... |
| Oct. | 27,784 | 29,552 | ... |
| Nov. | 27,713 | 26,705 | ... |
| Dec. | 24,134 | 24,419 | ... |
| Total | 315,711 | 315,631 | ... |

Mine Production of Zinc in United States (U. S. Bureau of Mines)

| | (In short tons) | | | |
|-------|-----------------|----------------|----------------|-------------|
| | Eastern States | Central States | Western States | Total U.S.* |
| 1953 | | | | |
| Total | 183,612 | 57,300 | 293,818 | 534,730 |
| 1954 | | | | |
| Total | 166,487 | 63,100 | 234,942 | 464,539 |
| 1955 | | | | |
| Total | 163,230 | 73,630 | 277,811 | 514,671 |
| 1956 | | | | |
| Total | 175,310 | 61,080 | 301,253 | 537,643 |
| 1957 | | | | |
| Jan. | 18,586 | 4,916 | 26,612 | 50,174 |
| Feb. | 15,989 | 4,658 | 25,434 | 46,080 |
| Mar. | 17,834 | 5,156 | 27,778 | 51,057 |
| Apr. | 18,245 | 4,912 | 28,557 | 51,714 |
| May | 17,066 | 1,744 | 28,314 | 47,123 |
| June | 16,981 | 2,855 | 25,664 | 45,940 |
| July | 15,391 | 2,679 | 24,602 | 42,672 |
| Aug. | 17,078 | 1,858 | 23,440 | 42,376 |
| Sept. | 14,111 | 187 | 20,481 | 34,779 |
| Oct. | 17,839 | 188 | 21,323 | 34,390 |
| Nov. | 14,874 | 180 | 19,213 | 34,967 |
| Dec. | 13,893 | 173 | 18,683 | 34,364 |
| Total | 196,877 | 29,506 | 290,151 | 520,128 |
| 1958 | | | | |
| Jan. | 16,165 | 1,682 | 20,861 | 38,708 |
| Feb. | 13,652 | 1,365 | 18,528 | 33,545 |
| Mar. | 13,922 | 1,291 | 20,411 | 35,624 |
| Apr. | 15,719 | 1,311 | 22,375 | 39,405 |
| May | 15,580 | 1,314 | 18,940 | 35,834 |
| June | 14,931 | 1,490 | 17,174 | 33,595 |

*Includes Alaskan output in some months.

Mine Production of Lead in United States (U. S. Bureau of Mines)

| | (In short tons) | | | |
|-------|-----------------|----------------|----------------|-------------|
| | Eastern States | Central States | Western States | Total U.S.* |
| 1952 | | | | |
| Ttl. | 11,252 | 150,302 | 228,607 | 390,161 |
| 1953 | | | | |
| Ttl. | 9,970 | 136,650 | 188,776 | 335,412 |
| 1954 | | | | |
| Ttl. | 8,608 | 138,940 | 169,804 | 317,352 |
| 1955 | | | | |
| Ttl. | 10,379 | 145,640 | 177,409 | 333,409 |
| 1956 | | | | |
| Dec. | 804 | 10,670 | 15,635 | 27,109 |
| Ttl. | 11,395 | 141,900 | 195,034 | 348,329 |
| 1957 | | | | |
| Jan. | 1,002 | 12,513 | 16,714 | 30,229 |
| Feb. | 942 | 11,730 | 16,464 | 29,136 |
| Mar. | 968 | 11,875 | 18,022 | 30,865 |
| Apr. | 1,053 | 12,695 | 17,167 | 30,915 |
| May | 988 | 11,107 | 17,760 | 29,855 |
| June | 648 | 10,569 | 15,500 | 26,717 |
| July | 532 | 11,430 | 15,032 | 26,994 |
| Aug. | 674 | 11,168 | 15,654 | 27,496 |
| Sept. | 744 | 9,935 | 14,087 | 24,766 |
| Oct. | 759 | 12,392 | 14,950 | 28,101 |
| Nov. | 619 | 10,170 | 12,519 | 23,308 |
| Dec. | 599 | 9,887 | 12,393 | 22,880 |
| Ttl. | 9,300 | 135,800 | 188,392 | 333,493 |
| 1958 | | | | |
| Jan. | 675 | 12,513 | 12,613 | 25,801 |
| Feb. | 542 | 11,356 | 11,734 | 23,632 |
| Mar. | 526 | 4,633 | 13,148 | 18,307 |
| Apr. | 487 | 12,438 | 12,739 | 25,664 |
| May | 626 | 11,660 | 11,939 | 24,225 |
| June | 615 | 10,662 | 11,360 | 22,637 |

Mine Production of Gold in United States (U. S. Bureau of Mines) (In fine ounces)

| | Eastern States | Western States | Alaska* | Total |
|-------|----------------|----------------|---------|-----------|
| 1955 | | | | |
| Ttl. | 2,026 | 1,634,625 | 247,535 | 1,884,186 |
| 1956 | | | | |
| Dec. | 178 | 129,139 | 5,506 | 134,817 |
| Ttl. | 1,998 | 1,607,930 | 204,300 | 1,814,228 |
| 1957 | | | | |
| Jan. | 183 | 131,954 | 1,134 | 133,271 |
| Feb. | 153 | 124,555 | 1,495 | 126,203 |
| Mar. | 182 | 137,404 | 1,076 | 138,662 |
| Apr. | 168 | 130,116 | 97 | 130,381 |
| May | 165 | 137,953 | 5,839 | 143,957 |
| June | 204 | 129,196 | 11,457 | 140,857 |
| July | 203 | 128,073 | 33,723 | 161,999 |
| Aug. | 192 | 126,219 | 37,933 | 164,344 |
| Sept. | 178 | 124,454 | 42,434 | 167,066 |
| Oct. | 183 | 136,248 | 38,585 | 175,016 |
| Nov. | 182 | 125,796 | 27,000 | 152,978 |
| Dec. | 181 | 123,250 | 6,790 | 130,221 |
| Ttl. | 2,174 | 1,556,450 | 210,000 | 1,768,624 |
| 1958 | | | | |
| Jan. | 207 | 134,282 | 2,736 | 137,226 |
| Feb. | 147 | 116,392 | 59 | 116,598 |
| Mar. | 174 | 123,808 | 96 | 124,078 |
| Apr. | 192 | 124,705 | 906 | 125,803 |

*Alaska totals based on mint and smelter receipts.

U. S. Silver Production* (A.B.M.S.)

| | (In thousands of ounces; commercial bars, 0.999 fine, and other refined forms) | | |
|-------------|--|--------|--------|
| | Dom.† | For. | Total |
| 1953 Total | 34,697 | 37,764 | 72,461 |
| 1954 Total | 38,059 | 39,422 | 77,481 |
| 1955 Total | 33,101 | 32,780 | 65,881 |
| 1956 | | | |
| December .. | 3,168 | 3,802 | 6,970 |
| Total | 38,157 | 40,160 | 78,317 |
| 1957 | | | |
| January .. | 2,997 | 2,877 | 5,874 |
| February .. | 2,925 | 2,876 | 5,801 |
| March | 3,360 | 3,166 | 6,526 |
| April | 3,735 | 2,807 | 6,542 |
| May | 2,486 | 1,388 | 3,874 |
| June | 3,386 | 2,880 | 6,266 |
| July | 2,859 | 3,452 | 6,311 |
| Aug. | 2,500 | 2,558 | 5,058 |
| Sept. | 2,937 | 3,263 | 6,200 |
| Oct. | 3,334 | 3,419 | 6,753 |
| Nov. | 2,731 | 3,374 | 6,105 |
| Dec. | 3,029 | 2,872 | 5,901 |
| Total | 36,279 | 34,932 | 71,211 |
| 1958 | | | |
| January ... | 3,520 | 3,551 | 7,071 |
| February .. | 3,589 | 2,790 | 6,379 |
| March | 2,465 | 3,568 | 6,033 |
| April | 3,123 | 3,056 | 6,179 |
| May | 2,597 | 2,660 | 5,257 |
| June | 3,243 | 3,210 | 6,453 |

*The separation between silver of foreign and domestic origin on the basis of refined bars and other refined forms is only approximate.

†Includes purchases of crude silver by the U. S. Mint.

Mine Production of Recoverable Silver in United States (U. S. Bureau of Mines)

| | (In Fine Ounces) | | | |
|----------------|------------------|----------|----------------|---------|
| | Eastern States | Missouri | Western States | Alaska* |
| 1955 Total | 159,038 | 438,000 | 36,103,723 | 33,804 |
| 1956 Total | 553,982 | 377,200 | 36,169,267 | 26,700 |
| 1957 | | | | |
| May | 52,880 | 19,600 | 3,324,515 | 711 |
| June | 49,488 | 23,350 | 3,145,297 | 2,081 |
| July | 54,011 | 25,000 | 3,117,841 | 3,670 |
| August | 49,880 | 25,950 | 3,001,938 | 4,665 |
| September .. | 48,925 | 24,200 | 3,011,542 | 5,471 |
| October | 47,892 | 29,800 | 3,036,720 | 4,816 |
| November | 50,821 | 8,020 | 2,690,456 | 3,537 |
| December | 50,825 | 7,000 | 2,673,590 | 810 |
| Total | 610,386 | 240,000 | 37,018,950 | 26,000 |
| 1958 | | | | |
| January | 45,358 | 17,400 | 2,939,634 | 324 |
| February | 38,608 | 16,000 | 2,788,072 | 5 |
| March | 38,134 | 5,500 | 2,834,641 | 10 |
| April | 38,308 | 17,800 | 2,807,664 | 57 |

*Alaska totals based on mint and smelter receipts.

Production of Primary Aluminum in the U. S. (U. S. Bureau of Mines)

| | (In short tons) | | | | | | | |
|-------|-----------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
| Jan. | 67,954 | 76,934 | 89,895 | 116,247 | 128,203 | 140,394 | 147,029 | 139,910 |
| Feb. | 62,740 | 72,374 | 92,649 | 110,483 | 116,236 | 132,763 | 119,059 | 121,980 |
| Mar. | 70,022 | 77,069 | 104,460 | 122,339 | 130,272 | 145,895 | 135,706 | 134,019 |
| Apr. | 67,701 | 76,880 | 102,071 | 120,434 | 126,394 | 144,726 | 139,152 | 128,559 |
| May | 67,720 | 80,803 | 105,464 | 125,138 | 131,128 | 150,800 | 145,174 | 129,083 |
| June | 67,454 | 77,476 | 104,152 | 120,758 | 127,634 | 145,726 | 138,007 | ..... |
| July | 72,898 | 78,368 | 109,285 | 126,161 | 132,669 | 151,624 | 142,157 | ..... |
| Aug. | 73,816 | 85,175 | 110,545 | 125,296 | 133,551 | 152,406 | 143,449 | ..... |
| Sept. | 69,429 | 76,882 | 109,333 | 120,332 | 130,606 | 132,318 | 129,278 | ..... |
| Oct. | 72,647 | 77,312 | 108,219 | 125,089 | 134,655 | 149,125 | 133,759 | ..... |
| Nov. | 72,246 | 74,639 | 105,636 | 121,252 | 133,689 | 145,081 | 135,024 | ..... |
| Dec. | 72,454 | 83,419 | 110,291 | 127,056 | 140,748 | 148,391 | 140,033 | ..... |
| Ttl. | 836,881 | 937,330 | 1,252,013 | 1,460,565 | 1,565,721 | 1,679,427 | 1,647,710 | ..... |

Average Silver Prices

| | (Cents per fine ounce) | | | |
|-------|------------------------|--------|--------|--------|
| | 1955 | 1956 | 1957 | 1958 |
| Jan. | 85.25 | 90.357 | 91.375 | 89.449 |
| Feb. | 85.25 | 90.90 | 91.375 | 88.625 |
| Mar. | 85.25 | 91.128 | 91.375 | 88.625 |
| Apr. | 87.08 | 90.875 | 91.375 | 88.625 |
| May | 88.928 | 90.75 | 91.307 | 88.625 |
| June | 89.71 | 90.46 | 90.456 | 88.625 |
| July | 90.49 | 90.14 | 90.31 | ..... |
| Aug. | 90.75 | 90.614 | 90.909 | ..... |
| Sept. | 90.795 | 90.75 | 90.602 | ..... |
| Oct. | 91.794 | 90.722 | 90.625 | ..... |
| Nov. | 91.46 | 91.375 | 90.382 | ..... |
| Dec. | 90.45 | 91.375 | 89.80 | ..... |
| Aver. | 89.116 | 90.79 | 90.824 | ..... |

Note — The averages are based on the price of refined bullion imported on or after August 31, 1945.

U. S. Copper Imports

(A.B.M.S.) (Bureau of the Census)

| | 1958 | | |
|---------------------------------|--------|--------|--------|
| | Mar. | Apr. | May |
| (In tons of 2,000 lbs.) | | | |
| Ore, matte & regulus (cont.) | 6,933 | 11,105 | 4,547 |
| Canada | 832 | 242 | 542 |
| Mexico | 552 | 976 | 500 |
| Cuba | 1,080 | 1,151 | 1,093 |
| Argentina | ... | 26 | 3 |
| Bolivia | 330 | 260 | 584 |
| Chile | 1,795 | 1,447 | 727 |
| Peru | 1,045 | 1,320 | 380 |
| Cyprus | ... | 2,006 | ... |
| Philippines | ... | 2,165 | 1 |
| U. of S. Africa | 1,275 | 1,450 | 650 |
| Australia | ... | ... | 31 |
| Other countries | 24 | 62 | 36 |
| Blister copper (content) | 19,196 | 25,440 | 17,232 |
| Mexico | 1,685 | 1,927 | 6,427 |
| Chile | 12,237 | 17,300 | 7,951 |
| Peru | 1,471 | ... | 1,100 |
| Rhodesia & Nyasaland | 1,003 | 4,547 | 643 |
| U. of S. Africa | 1,706 | 1,666 | 1,111 |
| Turkey | 1,094 | ... | ... |
| Refined cathodes and shapes | 17,010 | 14,940 | 9,015 |
| Canada | 6,418 | 5,638 | 4,962 |
| Mexico | 74 | 586 | 441 |
| Peru | 1,412 | 1,981 | 808 |
| Belgium | ... | 56 | ... |
| Germany (W.) | 1,500 | 2,474 | 166 |
| Sweden | 448 | 279 | ... |
| U. Kingdom | 1,890 | 617 | 223 |
| Belgian Congo | 1,549 | 1,548 | ... |
| Rhodesia & Nyasaland | 2,381 | 1,599 | 2,042 |
| U. of S. Africa | 1,338 | 50 | 148 |
| Other countries | ... | 112 | 1225 |
| Total Imports: | | | |
| Crude & refined | 43,139 | 51,485 | 30,794 |
| Old and scrap (content) | 420 | 553 | 560 |
| Brass scrap and old (cu. cont.) | 147 | 588 | 344 |

† Includes 224 tons from Netherlands.

U. S. Zinc Imports

(A.B.M.S.) (Bureau of the Census)

| | 1958 | | |
|-------------------------|--------|--------|--------|
| | Mar. | Apr. | May |
| (In tons of 2,000 lbs.) | | | |
| Zinc ore (Cont.) | 49,593 | 44,213 | 35,498 |
| Canada | 15,630 | 13,586 | 12,087 |
| Mexico | 19,148 | 15,986 | 12,433 |
| Cuba | ... | ... | 15 |
| Guatemala | 1,577 | 652 | 1,421 |
| Honduras | 101 | 251 | 105 |
| Bolivia | 991 | 1,036 | ... |
| Colombia | ... | ... | 22 |
| Chile | ... | 604 | ... |
| Peru | 11,339 | 11,184 | 5,679 |
| U. of S. Africa | 592 | 550 | 3,227 |
| Australia | 203 | 173 | 320 |
| Philippines | 12 | 9 | 6 |
| Other countries | ... | 182 | 183 |
| Zinc blocks, pigs, etc. | 16,501 | 13,554 | 11,864 |
| Canada | 10,450 | 7,240 | 3,461 |
| Mexico | 471 | 2,186 | 785 |
| Peru | 1,215 | 50 | 1,451 |
| Belgium | 1,704 | 1,221 | 2,042 |
| Italy | 551 | 792 | 110 |
| Netherlands | 280 | ... | ... |
| Norway | ... | ... | 560 |
| Yugoslavia | 441 | 20 | 1,212 |
| Belgian Congo | 1,389 | 2,045 | 2,243 |

Total Imports:

| | | | |
|------------------------|--------|--------|--------|
| Zinc ore, blocks, pigs | 66,094 | 57,767 | 47,362 |
| Dross and skim | 68 | 67 | 99 |
| Old and worn out | 11 | 36 | ... |

METALS, AUGUST, 1958

U. S. Copper Exports

(A.B.M.S.) (Bureau of the Census)

| | 1958 | | |
|---|--------|--------|--------|
| | Mar. | Apr. | May |
| (In tons of 2,000 lbs.) | | | |
| Ore, conc. matte & other unref. (cont.) | 1,184 | 956 | 1,098 |
| Refined ingots, bars, etc.* | 22,584 | 23,920 | 36,746 |
| Canada | 79 | 132 | 115 |
| Cuba | 200 | 101 | ... |
| Argentina | ... | 964 | 1,157 |
| Brazil | 60 | 61 | 533 |
| Austria | 6 | ... | 28 |
| Belgium | 335 | ... | 5 |
| Denmark | ... | ... | 22 |
| France | 8,947 | 5,680 | 11,266 |
| Germany (W.) | 2,636 | 2,110 | 8,448 |
| Italy | 2,237 | 1,731 | 3,197 |
| Netherlands | 442 | 1,091 | 923 |
| Norway | ... | 336 | 280 |
| Sweden | ... | ... | 448 |
| Switzerland | 503 | 615 | 1,399 |
| U. Kingdom | 6,629 | 9,709 | 7,756 |
| India | ... | ... | 13 |
| Japan | 348 | 754 | 1,010 |
| Australia | 146 | 112 | 112 |
| Other countries | 16 | 58 | ... |
| Korea | ... | 466 | 34 |
| Total Exports: | | | |
| Crude & refined | 23,768 | 24,876 | 37,844 |
| Pipes and tubes | 102 | 70 | 249 |
| Plates and sheets | 26 | 26 | 11 |
| Rods, brush-cop- per, castings, rolls, segments (finished forms) n.e.s. | 20 | 13 | 28 |
| Wire, bare | 381 | 196 | 238 |
| Building wire and cable† | 344 | 142 | 233 |
| Weatherproof wire† | 9 | 7 | 19 |
| Insulated copper wire n.e.s.† | 1,242 | 979 | 1,145 |

* Includes exports of refined copper resulting from scrap that was reprocessed on toll for accounts of the shipper.

† Gross weight; n.e.s., not elsewhere specified.

U. S. Copper Scrap Exports

(A.B.M.S.) (Bureau of the Census)

| | 1958 | | |
|---|-------|-------|-------|
| | Mar. | Apr. | May |
| (In tons of 2,000 lbs.) | | | |
| Copper scrap, un- alloyed* (new and old) | 2,888 | 1,141 | 2,307 |
| Canada | 49 | 25 | 20 |
| France | 2,167 | 383 | 86 |
| Germany (W.) | 532 | 367 | 1,837 |
| Netherlands | 28 | 8 | 67 |
| Spain | ... | 94 | ... |
| U. Kingdom | 7 | ... | ... |
| India | 105 | 209 | 159 |
| Other countries | ... | 55 | 138 |
| Copper-base scrap, alloyed† (new and old) | 2,054 | 2,907 | 4,403 |
| Canada | 6 | 2 | 46 |
| Mexico | 1 | ... | ... |
| France | 572 | 199 | ... |
| Germany (W.) | 440 | 515 | 711 |
| Italy | 183 | 133 | 213 |
| Netherlands | ... | 114 | 309 |
| Portugal | 28 | 88 | 27 |
| Spain | 21 | ... | 40 |
| Switzerland | ... | ... | 110 |
| U. Kingdom | 21 | 22 | ... |
| India | 75 | 103 | 67 |
| Japan | 707 | 1,726 | 2,853 |
| Hong Kong | ... | ... | 27 |
| Other countries | ... | 5 | ... |

* Ash, brass mill, clippings, dross, flue dust, residues, scale, skimmings, wire scrap.

† Copper-base alloys, including brass and bronze — ashes, clippings for remanufacture, cupro-nickel scrap, cupro-nickel trimmings, nickel silver scrap, phosphor bronze, phosphor copper, skimmings, turnings, round.

U. S. Lead Imports

(A.B.M.S.) (Bureau of the Census)

| | 1958 | | |
|---------------------------------|--------|--------|--------|
| | Mar. | Apr. | May |
| (In tons of 2,000 lbs.) | | | |
| Ore, matte, etc. (content) | 22,340 | 17,363 | 11,333 |
| Canada | 2,002 | 1,007 | 1,955 |
| Mexico | 432 | 161 | 215 |
| Guatemala | 1,060 | 591 | 722 |
| Honduras | 200 | 720 | 174 |
| Bolivia | 1,694 | 1,518 | 266 |
| Colombia | ... | ... | 173 |
| Peru | 10,823 | 8,200 | 3,391 |
| U. of S. Africa | 4,245 | 4,025 | 2,098 |
| Australia | 1,769 | 729 | 2,116 |
| Philippines | 69 | 74 | 185 |
| Korea | ... | 311 | ... |
| Other countries | 46 | 27 | 38 |
| Base bullion (content) | 28 | 335 | ... |
| Peru | 28 | ... | ... |
| Other countries | ... | 335 | ... |
| Pigs and bars | 41,330 | 35,899 | 48,651 |
| Canada | 5,234 | 4,707 | 2,987 |
| Mexico | 13,599 | 9,995 | 16,975 |
| Peru | 4,501 | 2,150 | 7,673 |
| Belgium | 1,097 | 497 | 110 |
| Denmark | 383 | 55 | 8 |
| Germany (W.) | 1,418 | 457 | 265 |
| Netherlands | ... | ... | 110 |
| Spain | ... | 1,387 | 1,653 |
| U. Kingdom | 1,333 | 1,597 | 112 |
| Yugoslavia | 661 | 689 | 11,003 |
| Morocco | ... | 6,733 | ... |
| Australia | 13,104 | 7,632 | 7,755 |
| Total Imports: | | | |
| Ore, base bul- lion, refined | 63,698 | 53,597 | 59,984 |
| Lead scrap, dross, etc. (cont.) | 336 | 261 | 715 |
| Antimonial lead & typemetal | 469 | 462 | 239 |
| Lead content thereof | 354 | 354 | 196 |

U. S. Zinc Exports

(A.B.M.S.) (Bureau of the Census)

| | 1958 | | |
|--|------|------|-----|
| | Mar. | Apr. | May |
| (In tons of 2,000 lbs.) | | | |
| Slabs, blocks, etc. | 11 | 136 | 79 |
| Canada | 1 | ... | 1 |
| Mexico | ... | 129 | 36 |
| Chile | ... | ... | 34 |
| Other countries | 10 | 7 | 8 |
| Total Exports: | | | |
| Ore, conc., slabs, blocks | 11 | 136 | 79 |
| Scrap, ashes, dross and skim. | 198 | 365 | 75 |
| Battery shells and parts, unassem. | 80 | 131 | 23 |
| Rolled in sheets, plates & strips and die castings | 353 | 319 | 296 |
| Zinc and zinc alloys in crude and semifabri- cated forms | 164 | 43 | 141 |
| Zinc oxide | 300 | 93 | 264 |

Comparative Metal Prices

| | Av. 1939 | OPA Av. 1946 | 1958 Aug. 21 |
|--|----------|--------------|--------------|
| Copper, Domestic Electro., Del Valley | 11.20 | 14.375 | 26.50 |
| Lead (N. Y.) | 5.05 | 8.25 | 10.75 |
| P. W. Zinc (E. St. Louis, f.o.b.) | 5.05 | 5.05 | 10.00 |
| New York, del. | ... | ... | 10.90 |
| Tin, Spot Straits, N. Y. | ... | ... | 94.875 |
| Aluminum Ingot 99 1/2% + 20.00 | ... | 15.00 | 26.80 |
| Antimony (R.M.M. brand, f.o.b. Laredo) | 12.36 | 14.50 | 29.00 |

World Production of Copper

(American Bureau of Metal Statistics)

(In Tons of 2,000 Pounds)

| | United States | Canada | Mexico (crude) | Chile | Peru | Fed. Rep. of Germany | Norway | United Kingdom | Yugoslavia | India | Japan | Turkey | Australia | Northern Rhodesia | Union of South Africa |
|------------|---------------|---------|----------------|---------|--------|----------------------|--------|----------------|------------|-------|---------|--------|-----------|-------------------|-----------------------|
| | (a) | (b) | (c) | (d) | (e) | (f) | (g-h) | (i) | (j-k) | (l) | (m) | (n) | (o) | (p) | (q) |
| 1954 | 869,721 | 309,984 | 59,030 | 372,814 | 29,233 | 258,259 | 14,201 | 152,358 | 33,394 | 8,274 | 117,871 | 27,727 | 42,241 | 336,577 | 43,153 |
| Total 1954 | 1,036,702 | 326,599 | 61,583 | 447,288 | 35,478 | 286,805 | 14,876 | 138,271 | 31,151 | 8,432 | 124,908 | 28,313 | 41,935 | 350,302 | 47,176 |
| 1955 | 1,133,134 | 356,251 | 69,918 | 506,251 | 35,005 | 279,461 | 16,457 | 127,365 | 32,390 | 8,827 | 139,062 | 27,101 | 55,711 | 435,186 | 47,914 |
| Total 1955 | 1,133,134 | 356,251 | 69,918 | 506,251 | 35,005 | 279,461 | 16,457 | 127,365 | 32,390 | 8,827 | 139,062 | 27,101 | 55,711 | 435,186 | 47,914 |
| 1956 | 92,508 | 29,033 | 4,630 | 41,890 | 3,131 | 20,736 | 956 | 11,178 | 2,586 | 768 | 12,599 | 1,455 | 4,088 | 35,251 | 3,392 |
| Feb. | 96,363 | 30,321 | 5,688 | 42,596 | 3,255 | 24,554 | 931 | 11,651 | 3,123 | 850 | 12,116 | 3,011 | 4,688 | 43,471 | 3,671 |
| Mar. | 98,910 | 27,917 | 5,139 | 31,761 | 2,559 | 23,515 | 1,635 | 7,853 | 3,049 | 810 | 8,860 | 3,057 | 5,029 | 37,605 | ... |
| Apr. | 96,334 | 26,640 | 5,421 | 36,769 | 4,122 | 23,795 | 1,608 | 12,998 | 3,194 | 810 | 13,479 | 2,995 | 5,036 | 44,471 | 4,151 |
| May | 95,893 | 26,841 | 5,107 | 40,262 | 4,987 | 21,816 | 1,455 | 7,991 | 3,272 | 787 | 13,930 | 2,017 | 3,021 | 37,874 | 3,839 |
| June | 86,141 | 26,349 | 5,961 | 40,351 | 5,839 | 24,170 | 1,418 | 11,492 | 3,066 | 774 | 14,585 | 961 | 5,450 | 31,450 | 3,305 |
| July | 89,680 | 30,025 | 5,144 | 36,744 | 4,065 | 24,709 | 1,649 | 9,226 | 3,461 | 718 | 14,667 | 1,757 | 6,639 | 29,212 | 4,356 |
| Aug. | 87,270 | 30,220 | 4,960 | 32,822 | 4,270 | 24,654 | 1,725 | 12,237 | 3,966 | 757 | 14,449 | 3,308 | 5,072 | 42,871 | 3,864 |
| Sept. | 93,078 | 31,334 | 6,140 | 43,096 | 3,000 | 23,955 | 1,581 | 10,368 | 3,025 | 999 | 13,311 | 1,880 | 4,778 | 43,123 | 4,000 |
| Oct. | 90,045 | 35,823 | 5,778 | 42,995 | 3,227 | 23,127 | 1,464 | 9,606 | 3,080 | 775 | 13,166 | 1,862 | 4,527 | 44,013 | 5,134 |
| Nov. | 95,285 | 35,593 | 5,446 | 43,765 | 4,786 | 21,786 | 1,424 | 9,607 | 3,207 | 810 | 13,038 | 2,114 | 4,388 | 42,459 | 4,672 |
| Dec. | 1,115,483 | 360,745 | 42,905 | ... | 46,141 | 255,710 | 17,265 | 121,799 | 37,186 | 9,298 | 143,654 | 27,101 | 55,633 | 499,418 | 47,828 |
| Total 1956 | 94,735 | 32,841 | 5,272 | 41,578 | 3,990 | 23,790 | 1,554 | 7,909 | 3,000 | 348 | 12,345 | 2,091 | 4,334 | 42,996 | 4,285 |
| Jan. | 87,130 | 30,639 | 4,849 | 39,648 | 3,235 | 21,792 | 1,340 | 11,495 | 3,054 | 756 | 10,806 | 1,509 | 4,045 | 36,364 | 4,708 |
| Feb. | 90,336 | 34,190 | 5,954 | 40,205 | 4,297 | 25,161 | 1,569 | 9,559 | ... | 821 | 10,195 | ... | 5,555 | 44,847 | 4,731 |
| Mar. | 86,123 | 32,598 | 6,101 | ... | 4,010 | 23,286 | 1,463 | 9,884 | ... | 788 | 8,515 | ... | 6,220 | 41,396 | 4,413 |
| Apr. | 80,628 | ... | 6,141 | ... | 3,481 | 24,437 | ... | 7,095 | ... | 786 | 9,806 | ... | ... | 41,615 | ... |
| May | 71,246 | ... | 5,954 | ... | 3,405 | ... | ... | ... | ... | ... | 10,617 | ... | ... | 44,447 | ... |
| June | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

(a) Reported by Copper Institute. Crude, "recoverable contents of mine production or smelter production or shipments, and custom intake." Does not include intake of scrap nor of imported ore except that received from Cuba and Philippines. (b) Blister copper plus recoverable copper in concentrates, matte, etc., exported. (c) Crude copper, i. e., copper content of blister or converter copper as originally produced in the several countries, although some of it may be refined at home; e. g., in Rhodesia. (d) Blister and/or refined. (e) Refined. There are quantities of scrap included in the electrolytic production in addition to that reported, tonnage of which is not obtainable. (f) Smelter production. (g) Refinery production from imported blister only. (h) British Bureau of Non-Ferrous Metal Statistics. * Refined.

World Production of Refined Lead

(American Bureau of Metal Statistics)

(In Tons of 2,000 Pounds)

| | United States | Canada | Mexico | Peru | Belgium | France | Fed. Rep. of Germany | Italy | Spain | Yugoslavia | Japan | Australia (a) | French Morocco | Tunisia | Rhodesia | Total |
|------------|---------------|---------|---------|--------|---------|--------|----------------------|--------|--------|------------|--------|---------------|----------------|---------|----------|-----------|
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) | (l) | (m) | (n) | (o) | (p) |
| 1953 | 638,883 | 164,356 | 225,075 | 66,820 | 84,162 | 60,887 | 164,977 | 40,786 | 62,789 | 78,038 | 25,518 | 241,419 | 29,970 | 30,397 | 12,891 | 1,813,778 |
| Total 1953 | 638,883 | 164,356 | 225,075 | 66,820 | 84,162 | 60,887 | 164,977 | 40,786 | 62,789 | 78,038 | 25,518 | 241,419 | 29,970 | 30,397 | 12,891 | 1,813,778 |
| 1954 | 551,618 | 166,979 | 231,695 | 63,735 | 79,250 | 71,083 | 162,773 | 61,150 | 62,475 | 73,555 | 37,612 | 260,424 | 29,417 | 30,015 | 16,800 | 1,877,841 |
| Total 1954 | 551,618 | 166,979 | 231,695 | 63,735 | 79,250 | 71,083 | 162,773 | 61,150 | 62,475 | 73,555 | 37,612 | 260,424 | 29,417 | 30,015 | 16,800 | 1,877,841 |
| 1955 | 547,153 | 148,811 | 221,138 | 67,303 | 91,241 | 73,251 | 162,508 | 46,806 | 67,509 | 83,347 | 40,912 | 254,558 | 28,870 | 28,620 | 17,976 | 1,893,125 |
| Total 1955 | 547,153 | 148,811 | 221,138 | 67,303 | 91,241 | 73,251 | 162,508 | 46,806 | 67,509 | 83,347 | 40,912 | 254,558 | 28,870 | 28,620 | 17,976 | 1,893,125 |
| 1956 | 613,293 | 147,865 | 213,524 | 61,917 | 111,479 | 73,251 | 178,713 | 42,780 | 64,824 | 83,507 | 51,019 | 256,300 | 30,993 | 26,623 | 17,024 | 1,984,344 |
| Total 1956 | 613,293 | 147,865 | 213,524 | 61,917 | 111,479 | 73,251 | 178,713 | 42,780 | 64,824 | 83,507 | 51,019 | 256,300 | 30,993 | 26,623 | 17,024 | 1,984,344 |
| 1957 | 48,012 | 10,192 | 18,574 | 5,736 | 9,969 | 7,970 | 14,516 | 3,519 | 3,980 | 6,213 | 4,863 | 17,060 | 3,759 | 2,544 | 1,323 | 159,984 |
| Feb. | 52,357 | 12,727 | 17,873 | 6,431 | 9,906 | 8,103 | 16,420 | 3,574 | 6,031 | 8,643 | 4,464 | 18,515 | 2,215 | 2,817 | 1,120 | 172,730 |
| Mar. | 56,170 | 12,436 | 20,235 | 5,915 | 9,359 | 7,624 | 17,559 | 3,408 | 6,235 | 7,515 | 3,416 | 18,127 | 2,047 | 1,733 | 1,400 | 174,593 |
| Apr. | 51,718 | 13,172 | 13,942 | 5,355 | 9,766 | 8,890 | 17,424 | 3,275 | 6,610 | 5,477 | 25,268 | 2,211 | 2,490 | 1,400 | 1,736 | 173,726 |
| May | 48,203 | 12,406 | 8,524 | 6,083 | 9,722 | 7,809 | 13,802 | 3,537 | 4,932 | 8,329 | 21,847 | 2,392 | 1,997 | 1,456 | 1,565 | 166,657 |
| June | 47,100 | 12,098 | 15,831 | 6,768 | 8,683 | 7,396 | 16,315 | 4,000 | 5,893 | 6,687 | 4,786 | 22,242 | 3,113 | 2,270 | 1,456 | 164,802 |
| July | 48,191 | 12,568 | 26,341 | 7,258 | 7,961 | 7,443 | 15,403 | 2,869 | 6,124 | 7,691 | 4,766 | 23,548 | 2,477 | 1,903 | 1,456 | 177,247 |
| Aug. | 50,436 | 11,288 | 20,151 | 6,553 | 7,668 | 15,938 | 4,173 | 5,866 | 6,356 | 5,366 | 24,209 | 2,463 | 1,821 | 1,456 | 1,743 | 174,013 |
| Sept. | 52,041 | 10,302 | 18,627 | 6,323 | 9,615 | 7,874 | 17,643 | 3,491 | 6,582 | 7,409 | 5,297 | 19,639 | 2,733 | 2,512 | 1,456 | 171,334 |
| Oct. | 48,771 | 12,125 | 19,491 | 6,374 | 9,257 | 8,396 | 16,703 | 4,063 | 4,840 | 7,373 | 6,578 | 24,987 | 2,806 | 2,598 | 1,456 | 177,739 |
| Nov. | 50,500 | 12,504 | 19,465 | 6,951 | 8,191 | 7,512 | 17,215 | 4,231 | 5,460 | 7,846 | 5,785 | 24,095 | 4,173 | 3,123 | 1,568 | 180,412 |
| Dec. | 604,533 | 142,935 | 218,266 | 55,971 | ... | 94,509 | 195,136 | 42,336 | 61,332 | 85,313 | 59,670 | 261,035 | 34,441 | 27,069 | 12,364 | 2,052,431 |
| Total 1956 | 47,665 | 12,672 | 20,144 | 6,188 | 8,375 | 7,501 | 18,017 | 4,013 | 5,297 | 6,042 | 4,974 | 25,518 | 3,323 | 1,785 | 1,232 | 173,922 |
| Jan. | 47,133 | 11,432 | 18,341 | 5,806 | 8,347 | 7,959 | 15,939 | 4,433 | 5,337 | 7,452 | 4,352 | 23,828 | 3,326 | 2,781 | 1,176 | 167,791 |
| Feb. | 43,441 | 12,837 | 18,055 | 6,899 | 8,773 | 7,890 | 16,548 | 4,597 | 6,392 | ... | 4,385 | 26,359 | 3,375 | 1,174 | 1,204 | ... |
| Mar. | 40,984 | ... | 21,499 | 5,626 | 8,917 | 8,858 | 15,144 | 4,652 | 6,281 | ... | 4,381 | 19,876 | 2,338 | 2,394 | 1,204 | ... |
| Apr. | 47,487 | ... | 21,005 | 5,421 | 9,058 | 8,339 | 16,327 | 2,402 | 6,944 | ... | 3,541 | ... | 3,532 | 2,978 | 1,204 | ... |
| May | 44,636 | ... | 17,846 | 6,255 | ... | ... | ... | 3,677 | ... | ... | 3,461 | ... | ... | ... | 1,232 | ... |
| June | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

(a) Production credited to Australia includes lead refined in England from Australian base bullion.

World Production of Slab Zinc

(American Bureau of Metal Statistics)

(In Tons of 2,000 Pounds)

| | United States | Can. | Mexico | Peru | Belgium | France | Fed. Rep. of Germany | Great Britain | Italy | Netherlands | Norway | Spain | Yugoslavia | Japan | Australia (a) | Rhodesia (b) | Total |
|------------|---------------|---------|--------|--------|---------|---------|----------------------|---------------|--------|-------------|--------|--------|------------|---------|---------------|--------------|-----------|
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) | (l) | (m) | (n) | (o) | (p) | (q) |
| 1953 | 971,191 | 247,707 | 59,589 | 9,819 | 213,215 | 89,218 | 163,430 | 81,436 | 65,730 | 27,721 | 42,566 | 24,152 | 16,937 | 86,832 | 101,008 | 28,370 | 2,225,917 |
| Total 1953 | 971,191 | 247,707 | 59,589 | 9,819 | 213,215 | 89,218 | 163,430 | 81,436 | 65,730 | 27,721 | 42,566 | 24,152 | 16,937 | 86,832 | 101,008 | 28,370 | 2,225,917 |
| 1954 | 888,242 | 218,810 | 60,477 | 16,982 | 234,896 | 122,248 | 184,806 | 90,987 | 74,356 | 28,686 | 48,768 | 25,109 | 15,040 | 112,292 | 117,066 | 29,736 | 2,243,501 |
| Total 1954 | 888,242 | 218,810 | 60,477 | 16,982 | 234,896 | 122,248 | 184,806 | 90,987 | 74,356 | 28,686 | 48,768 | 25,109 | 15,040 | 112,292 | 117,066 | 29,736 | 2,243,501 |
| 1955 | 1,031,018 | 257,068 | 61,879 | 18,943 | 233,623 | 123,623 | 197,024 | 90,917 | 77,761 | 31,203 | 49,724 | 26,244 | 15,175 | 122,965 | 113,221 | 31,248 | 2,534,457 |
| Total 1955 | 1,031,018 | 257,068 | 61,879 | 18,943 | 233,623 | 123,623 | 197,024 | 90,917 | 77,761 | 31,203 | 49,724 | 26,244 | 15,175 | 122,965 | 113,221 | 31,248 | 2,534,457 |
| 1956 | 1,062,954 | 255,601 | 62,136 | 10,428 | 251,906 | 124,105 | 204,961 | 90,784 | 80,407 | 32,123 | 53,170 | 25,224 | 15,434 | 153,821 | 117,445 | 32,396 | 2,630,383 |
| Total 1956 | 1,062,954 | 255,601 | 62,136 | 10,428 | 251,906 | 124,105 | 204,961 | 90,784 | 80,407 | 32,123 | 53,170 | 25,224 | 15,434 | 153,821 | 117,445 | 32,396 | 2,630,383 |
| 1957 | 88,078 | 19,808 | 4,788 | 2,346 | 22,354 | 10,571 | 15,903 | 6,256 | 6,186 | 2,552 | 3,851 | 1,694 | 2,447 | 10,632 | 9,130 | 2,520 | 213,521 |
| Feb. | 96,924 | 21,942 | 5,334 | 2,352 | 22,496 | 12,249 | 17,697 | 8,537 | 6,719 | 2,820 | 4,478 | 2,124 | 2,526 | 9,754 | 10,114 | 2,352 | 234,556 |
| Mar. | 96,506 | 20,504 | 5,129 | 2,380 | 22,263 | 12,112 | 16,903 | 6,802 | 7,174 | 2,647 | 4,252 | 2,009 | 2,581 | 9,546 | 10,037 | 2,744 | ... |
| Apr. | 96,855 | 20,565 | 5,219 | 2,650 | 23,119 | 17,700 | 17,108 | 7,345 | 7,089 | 2,881 | 4,468 | 1,836 | 2,748 | 14,213 | 10,336 | 2,800 | 238,011 |
| May | 90,719 | 19,929 | 5,011 | 2,701 | 21,695 | 12,498 | 16,826 | 6,829 | 7,110 | 2,646 | 4,473 | 1,753 | 2,639 | 13,875 | 9,355 | 2,830 | 225,611 |
| June | 85,779 | 20,062 | 5,263 | 3,078 | 20,176 | 12,511 | 16,615 | 7,236 | 7,173 | 2,629 | 4,690 | 2,049 | 2,752 | 14,245 | 12,229 | 2,856 | 225,017 |
| July | 84,166 | 20,305 | 5,144 | 3,233 | 19,391 | 12,387 | 16,617 | 7,272 | 7,029 | 2,641 | 4,378 | 2,143 | 2,740 | 14,675 | 10,675 | 2,856 | 220,368 |
| Aug. | 77,455 | 20,247 | 5,090 | 3,000 | 20,129 | 10,631 | 16,389 | 7,104 | 6,954 | 2,698 | 4,476 | 1,911 | 2,445 | 13,753 | 10,300 | 2,800 | 211,477 |
| Sept. | 81,490 | 20,890 | 5,351 | 2,892 | 21,688 | 12,305 | 16,800 | 7,292 | 6,133 | 2,781 | 4,419 | 2,011 | 2,011 | 14,215 | 10,829 | 2,856 | 221,839 |
| Oct. | 79,754 | 20,933 | 5,227 | 3,014 | 21,660 | 11,884 | 16,580 | 7,036 | 5,712 | 2,763 | 4,399 | 2,164 | 2,164 | 12,905 | 10,521 | 2,775 | 215,395 |
| Nov. | 86,270 | 21,829 | 5,441 | 3,333 | 22,274 | 12,413 | 17,694 | 7,483 | 6,596 | 2,742 | 4,483 | 2,789 | 2,189 | 13,638 | 10,895 | 2,828 | 230,622 |
| Dec. | 86,270 | 21,829 | 5,441 | 3,333 | 22,274 | 12,413 | 17,694 | 7,483 | 6,596 | 2,742 | 4,483 | 2,789 | 2,189 | 13,638 | 10,895 | 2,828 | 230,622 |
| Total 1957 | 1,574,500 | 247,356 | 62,354 | 35,772 | 259,701 | 148,465 | 202,627 | 85,348 | 81,179 | 32,786 | 52,787 | 24,279 | 30,256 | 152,145 | 123,587 | 33,040 | 2,692,833 |
| 1958 | 82,343 | 21,801 | 5,561 | 3,271 | 22,382 | 12,795 | 17,187 | 7,179 | 4,911 | 2,654 | 4,134 | 2,209 | 2,943 | 13,126 | 10,816 | 2,828 | 221,111 |
| Jan. | 68,364 | 19,743 | 4,985 | 2,689 | 22,022 | 12,028 | 15,562 | 6,599 | 5,275 | 2,659 | 4,083 | 1,975 | 2,797 | 12,072 | 9,642 | 2,576 | ... |
| Feb. | 72,274 | 22,314 | 5,620 | 2,782 | 21,453 | 17,786 | 16,743 | 7,584 | 6,549 | 2,721 | 3,851 | 2,045 | ... | 13,217 | 10,707 | 2,756 | ... |
| Mar. | 70,214 | 20,918 | 5,289 | 2,597 | 20,886 | 14,985 | 15,693 | 8,018 | 6,925 | 2,586 | 3,850 | 2,207 | ... | 9,305 | 10,444 | 3,772 | ... |
| Apr. | 71,018 | 21,269 | 5,254 | 2,699 | 20,949 | 15,275 | 16,128 | 6,343 | 7,202 | 2,442 | 3,962 | 2,372 | ... | 13,504 | ... | 2,856 | ... |
| May | 66,963 | 20,354 | 5,016 | 2,429 | ... | ... | ... | 7,202 | 7,140 | 2,221 | 3,307 | ... | ... | 14,040 | ... | 2,744 | ... |
| June | 66,963 | 20,354 | 5,016 | 2,429 | ... | ... | ... | 7,202 | 7,140 | 2,221 | 3,307 | ... | ... | 14,040 | ... | 2,744 | ... |

U. K. Virgin Copper Stocks

(In long tons)

(British Bureau of Non-Ferrous Metal Statistics)

| At start of: | 1956 | 1957 | 1958 |
|--------------|--------|---------|--------|
| Jan. | 76,197 | 59,614 | 91,477 |
| Feb. | 79,377 | 59,203 | 82,483 |
| Mar. | 71,634 | 62,120 | 89,147 |
| Apr. | 73,776 | 61,779 | 94,330 |
| May | 76,481 | 71,101 | 88,582 |
| June | 71,713 | 61,991 | 88,913 |
| July | 76,188 | 64,121 | 81,851 |
| Aug. | 68,197 | 81,146 | .... |
| Sept. | 72,069 | 98,595 | .... |
| Oct. | 62,327 | 100,815 | .... |
| Nov. | 58,893 | 90,877 | .... |
| Dec. | 55,838 | 81,657 | .... |

U. K. Refined Lead Stocks

(British Bureau of Non-Ferrous Metal Statistics)

(In long tons)

| At start of: | 1956 | 1957 | 1958 |
|--------------|--------|--------|--------|
| Jan. | 40,987 | 39,420 | 51,295 |
| Feb. | 34,326 | 41,433 | 49,134 |
| Mar. | 29,693 | 36,900 | 47,738 |
| Apr. | 33,974 | 34,877 | 40,547 |
| May | 29,479 | 44,933 | 37,509 |
| June | 30,537 | 40,804 | 34,608 |
| July | 37,088 | 42,148 | 40,518 |
| Aug. | 35,432 | 48,275 | .... |
| Sept. | 35,793 | 51,435 | .... |
| Oct. | 39,391 | 45,301 | .... |
| Nov. | 32,662 | 50,371 | .... |
| Dec. | 32,025 | 48,065 | .... |

U. K. Stocks of Zinc

(British Bureau of Non-Ferrous Metal Statistics)

(In tons of 2,240 lbs.)

Virgin Zinc Zinc Conc.

| At start of: | 1957 | 1958 | 1957 | 1958 |
|--------------|--------|--------|--------|--------|
| Jan. | 44,816 | 44,926 | 53,274 | 79,349 |
| Feb. | 40,501 | 43,308 | 63,366 | 82,125 |
| Mar. | 38,927 | 46,662 | 59,957 | 87,721 |
| Apr. | 41,260 | 46,608 | 55,698 | 84,631 |
| May | 37,540 | 47,251 | 52,871 | 80,964 |
| June | 36,000 | 50,539 | 49,646 | 74,470 |
| July | 37,384 | 49,613 | 55,900 | 71,553 |
| Aug. | 35,561 | .... | 52,588 | .... |
| Sept. | 44,207 | .... | 59,028 | .... |
| Oct. | 41,255 | .... | 65,347 | .... |
| Nov. | 42,095 | .... | 67,828 | .... |
| Dec. | 41,895 | .... | 73,331 | .... |

U. K. Copper Exports

(British Bureau of Non-Ferrous Metal Statistics)

(In tons of 2,240 lbs.)

Apr. May June

| (Gross Weight) | Apr. | May | June |
|--|-------|--------|--------|
| Copper unwrought — ingots, blocks, slabs, bars, etc. | 3,183 | 4,324 | 2,612 |
| Plates, sheets, rods, etc. | 1,313 | 2,028 | 1,853 |
| Wire (including un-insulated electric wire) | 3,332 | 9,044 | 7,975 |
| Tubes | 956 | 1,845 | 1,604 |
| Other copper, worked (incl. pipe fittings) | 77 | 115 | 59 |
| Total | 8,861 | 17,356 | 14,103 |

METALS, AUGUST, 1958

Copper Consumption in United Kingdom

British Bureau of Non-Ferrous Metal Statistics

(In tons of 2,240 pounds)

| | Unalloyed | Alloyed* | Total | Virgin | Scrap |
|------------|-----------|----------|---------|---------|---------|
| 1955 Total | 377,576 | 281,953 | 659,529 | 496,467 | 163,062 |
| 1956 | | | | | |
| December | 29,927 | 17,437 | 47,364 | 38,505 | 8,859 |
| Total | 388,167 | 251,312 | 639,479 | 500,794 | 138,685 |
| 1957 | | | | | |
| January | 40,014 | 21,574 | 61,588 | 51,118 | 10,470 |
| February | 36,191 | 19,849 | 56,040 | 43,326 | 12,714 |
| March | 33,537 | 19,895 | 53,432 | 42,787 | 10,645 |
| April | 33,744 | 18,124 | 51,868 | 40,940 | 10,928 |
| May | 36,721 | 21,395 | 58,116 | 44,740 | 13,376 |
| June | 32,922 | 18,332 | 51,254 | 39,756 | 11,498 |
| July | 32,049 | 19,388 | 51,437 | 38,441 | 12,996 |
| August | 24,606 | 14,834 | 39,440 | 30,583 | 8,857 |
| September | 35,404 | 19,666 | 55,070 | 43,883 | 11,187 |
| October | 38,044 | 22,004 | 60,048 | 49,638 | 10,410 |
| November | 35,102 | 20,506 | 55,608 | 44,144 | 11,464 |
| December | 30,043 | 18,591 | 48,634 | 38,104 | 10,530 |
| Total | 407,326 | 234,158 | 641,484 | 507,493 | 133,991 |
| 1958 | | | | | |
| January | 35,799 | 20,816 | 56,615 | 46,437 | 10,178 |
| February | 32,207 | 19,352 | 51,559 | 37,907 | 13,652 |
| March | 33,491 | 19,580 | 53,071 | 41,539 | 11,532 |
| April | 36,722 | 19,100 | 55,822 | 43,784 | 12,038 |
| May | 35,810 | 18,423 | 54,233 | 43,571 | 10,662 |
| June | 39,277 | 18,141 | 57,418 | 46,080 | 11,338 |

* Includes copper sulphate effective October, 1954.

U. K. Zinc Imports

(British Bureau of Non-Ferrous Metal Statistics)

(In tons of 2,240 lbs.)

Apr. May June

| (Gross Weight) | Apr. | May | June |
|----------------------|--------|--------|--------|
| Zinc ore and conc. | 3,775 | .... | 9,688 |
| Zinc conc.* | 2,953† | 130 | † |
| Australia | 2,953† | .... | .... |
| Other countries. | .... | 130 | .... |
| Zinc and zinc alloys | 11,464 | 14,040 | 12,174 |
| Rhodesia-Nyasaland | 225 | 300 | 200 |
| Australia | 200 | 1,550 | 1,300 |
| Canada | 6,102 | 7,532 | 7,383 |
| Belgium | 467 | 527 | 821 |
| Germany (W.) | 5 | 2 | 1 |
| Netherlands | .... | .... | 3 |
| Soviet Union | 1,748 | 1,303 | 1,079 |
| United States | .... | 1 | .... |
| Belgian Congo | 1,150 | 1,100 | 500 |
| Other countries | 1,567 | 1,725 | 887 |

* British Bureau of Non-Ferrous Metal Statistics. The estimated zinc content is not the content of the gross weight as officially reported for any comparable period.

† Not available.

† Revised.

Zinc Imports and Exports By Principal Countries

(A. B. M. S.)

Reported in pigs, bars, etc.; metric tons except where otherwise noted.

| IMPORTS | 1958 | 1957 |
|---------------------------|--------|--------|
| U. S. (s.t.) | 16,501 | 13,554 |
| Denmark | 305 | 746 |
| France | 1,890 | 1,510 |
| Germany, W.† | 6,641 | .... |
| Italy | 889 | .... |
| Netherlands | 598 | 1,314 |
| Sweden | 1,116 | 2,180 |
| Switzerland† | 1,484 | 1,066 |
| U. K. (l.t.) | 11,993 | 11,464 |
| India* (l.t.) | 5,015 | 6,886 |
| EXPORTS | 1958 | 1957 |
| U. S. (s.t.) | 11 | 136 |
| Canada (s.t.) | 19,636 | 16,346 |
| Belgium | 13,319 | .... |
| Denmark | .... | 90 |
| France | 50 | 52 |
| Germany, W.† | 2,804 | .... |
| Italy | 762 | .... |
| Netherlands | 1,135 | 1,163 |
| Norway | 2,978 | .... |
| Switzerland† | 667 | 143 |
| U. K.† (l.t.) | 522 | 549 |
| Northern Rhodesia* (l.t.) | 2,817 | 2,414 |
| Australia* (l.t.) | 2,697 | .... |

† Includes scrap.

† Includes manufactures.

* British Bureau of Non-Ferrous Metal Statistics.

United Kingdom Tin Statistics

(British Bureau of Non-Ferrous Metal Statistics)

Tin Content of Tin in Ore Tin Metal

| | Imports | Production* | Stock at end of period* | Imports | Production* | Consumption | Exports & Re-exports | Stock at end of period* |
|------------|---------|-------------|-------------------------|---------|-------------|-------------|----------------------|-------------------------|
| 1956 Total | 26,571 | 1,044 | 2,393 | 2,226 | 26,434 | 22,232 | 8,371 | 3,175 |
| 1957 | | | | | | | | |
| April | 2,192 | 87 | 3,952 | 379 | 2,074 | 1,752 | 576 | 3,281 |
| May | 3,637 | 89 | 3,637 | 111 | 3,561 | 2,240 | 896 | 4,043 |
| June | 2,689 | 90 | 3,223 | 158 | 2,735 | 1,799 | 693 | 4,632 |
| July | 2,743 | 116 | 3,200 | 69 | 2,576 | 1,862 | 560 | 5,339 |
| August | 2,305 | 47 | 2,665 | 483 | 2,740 | 1,368 | 671 | 6,320 |
| September | 4,291 | 70 | 4,070 | 527 | 2,260 | 1,836 | 431 | 6,308 |
| October | 2,177 | 98 | 3,303 | 784 | 2,899 | 1,947 | 528 | 6,045 |
| November | 5,275 | 78 | 2,837 | 4,082 | 3,881 | 1,615 | 481 | 10,591 |
| December | 4,187 | 83 | 3,872 | 3,125 | 3,403 | 1,420 | 236 | 15,815 |
| Total | 39,272 | 1,028 | .... | 9,834 | 34,175 | 20,365 | 7,362 | 71,931 |
| 1958 | | | | | | | | |
| January | 2,500 | 101 | 3,602 | 2,335 | 3,614 | 1,734 | 402 | 18,058 |
| February | 3,243 | 86 | 3,446 | 2,495 | 2,746 | 1,567 | 310 | 20,322 |
| March | 2,350 | 89 | 3,261 | 1,018 | 3,106 | 1,566 | 1,408 | 20,940 |
| April | 2,678 | 82 | .... | 582 | 1,790 | 1,725 | 924 | 20,069 |
| May | 2,707 | .... | .... | 1,428 | 3,400 | 1,583 | .... | 21,529 |

* As reported by International Tin Study Group. Production of Tin Metal includes production from imported scrap and residues refined on toll. Stocks exclude strategic stock but include official warehouse stocks.

Canada's Copper Output

(Dominion Bureau of Statistics)

| (Refined Copper) | | | | |
|------------------|---------|---------|---------|--------|
| (In Tons) | | | | |
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 22,600 | 26,653 | 25,469 | 32,237 |
| Feb. . . | 21,455 | 26,229 | 21,861 | 28,621 |
| Mar. . . | 25,083 | 26,750 | 27,663 | 29,825 |
| Apr. . . | 24,077 | 26,617 | 27,398 | 30,906 |
| May . . | 23,840 | 27,626 | 29,086 | 32,126 |
| June . . | 21,890 | 27,122 | 24,093 | .... |
| July . . | 21,185 | 27,250 | 27,195 | .... |
| Aug. . . | 26,184 | 29,219 | 26,943 | .... |
| Sept. . | 24,752 | 27,950 | 24,633 | .... |
| Oct. . . | 25,546 | 29,696 | 30,312 | .... |
| Nov. . . | 25,213 | 27,346 | 27,331 | .... |
| Dec. . . | 27,172 | 28,716 | 31,604 | .... |
| Year | 288,987 | 331,174 | 323,588 | .... |

Canada's Lead Exports

(Dominion Bureau of Statistics)

| (In Pigs) | | | | |
|-----------|--------|--------|--------|-------|
| (In Tons) | | | | |
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 5,500 | 4,888 | 8,946 | 4,752 |
| Feb. . . | 11,882 | 3,856 | 6,633 | 1,553 |
| Mar. . . | 10,318 | 4,007 | 7,044 | 9,497 |
| Apr. . . | 11,967 | 7,636 | 7,314 | 7,450 |
| May . . | 6,416 | 7,214 | 9,676 | 7,764 |
| June . . | 9,897 | 6,632 | 7,210 | .... |
| July . . | 8,341 | 9,696 | 4,682 | .... |
| Aug. . . | 4,884 | 4,713 | 6,416 | .... |
| Sept. . | 5,538 | 9,908 | 8,467 | .... |
| Oct. . . | 8,053 | 9,072 | 7,761 | .... |
| Nov. . . | 4,622 | 9,227 | 6,175 | .... |
| Dec. . . | 5,286 | 2,734 | 4,217 | .... |
| Year | 92,407 | 79,633 | 84,541 | .... |

Canada's Silver Exports

(Dominion Bureau of Statistics)

| (In ores and concentrates) | | | | |
|----------------------------|-----------|-----------|---------|--|
| (Fine Ounces) | | | | |
| | 1956 | 1957 | 1958 | |
| Jan. . . | 435,047 | 253,940 | 634,715 | |
| Feb. . . | 196,803 | 380,463 | 208,149 | |
| Mar. . . | 328,857 | 521,849 | 350,827 | |
| Apr. . . | 348,838 | 431,646 | 284,971 | |
| May . . | 447,710 | 523,228 | 376,082 | |
| June . . | 495,742 | 468,559 | .... |  |
| July . . | 686,209 | 844,545 | .... |  |
| Aug. . . | 1,080,301 | 811,530 | .... |  |
| Sept. . | 481,042 | 861,857 | .... |  |
| Oct. . . | 731,099 | 432,000 | .... |  |
| Nov. . . | 669,285 | 263,273 | .... |  |
| Dec. . . | 1,023,481 | 186,569 | .... |  |
| Year | 6,924,414 | 5,979,459 | .... |  |

Canada's Copper Exports

(Dominion Bureau of Statistics)

| (Ingots, bars, slabs and billets) | | | | |
|-----------------------------------|---------|---------|---------|--------|
| (In Tons) | | | | |
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 11,078 | 15,981 | 20,582 | 26,883 |
| Feb. . . | 12,897 | 11,041 | 16,272 | 16,816 |
| Mar. . . | 12,423 | 12,276 | 14,720 | 18,662 |
| Apr. . . | 10,321 | 14,476 | 16,417 | 23,261 |
| May . . | 10,911 | 12,851 | 19,048 | 19,358 |
| June . . | 13,387 | 10,985 | 10,826 | .... |
| July . . | 12,674 | 13,599 | 18,621 | .... |
| Aug. . . | 13,219 | 14,710 | 21,980 | .... |
| Sept. . | 13,479 | 17,268 | 14,314 | .... |
| Oct. . . | 14,208 | 13,896 | 13,110 | .... |
| Nov. . . | 14,545 | 19,130 | 16,622 | .... |
| Dec. . . | 14,057 | 18,630 | 16,282 | .... |
| Year | 153,199 | 174,843 | 198,794 | .... |

Canada's Zinc Output

(Dominion Bureau of Statistics)

| (Refined Zinc) | | | | |
|----------------|---------|---------|---------|--------|
| (In Tons) | | | | |
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 22,028 | 21,696 | 20,340 | 21,801 |
| Feb. . . | 19,865 | 20,356 | 19,808 | 19,743 |
| Mar. . . | 22,215 | 22,010 | 21,941 | 22,314 |
| Apr. . . | 21,301 | 21,339 | 20,504 | 20,989 |
| May . . | 21,599 | 21,790 | 20,564 | 21,269 |
| June . . | 20,565 | 20,780 | 19,928 | .... |
| July . . | 21,769 | 21,691 | 20,061 | .... |
| Aug. . . | 22,029 | 21,354 | 20,305 | .... |
| Sept. . | 20,898 | 20,691 | 20,247 | .... |
| Oct. . . | 22,206 | 21,412 | 20,892 | .... |
| Nov. . . | 21,398 | 20,470 | 20,933 | .... |
| Dec. . . | 21,135 | 22,012 | 21,828 | .... |
| Year | 257,008 | 255,601 | 247,351 | .... |

Canada's Silver Output

(Dominion Bureau of Statistics)

| (In Ounces) | | | | |
|-------------|------------|------------|-----------|--|
| | 1956 | 1957 | 1958 | |
| Jan. . . | 2,280,575 | 2,158,631 | 2,529,583 | |
| Feb. . . | 2,094,467 | 2,051,679 | 2,294,655 | |
| Mar. . . | 2,296,648 | 2,346,316 | 2,448,698 | |
| Apr. . . | 1,759,384 | 2,225,638 | 2,558,958 | |
| May . . | 2,463,374 | 2,111,185 | 2,650,665 | |
| June . . | 2,494,748 | 2,208,584 | .... |  |
| July . . | 2,267,271 | 2,383,390 | .... |  |
| Aug. . . | 2,315,312 | 2,592,468 | .... |  |
| Sept. . | 2,517,451 | 2,382,121 | .... |  |
| Oct. . . | 2,379,162 | 2,817,358 | .... |  |
| Nov. . . | 2,492,547 | 2,566,519 | .... |  |
| Dec. . . | 2,357,202 | 2,537,984 | .... |  |
| Year | 27,655,141 | 28,361,873 | .... |  |

Canada's Lead Output

(Dominion Bureau of Statistics)

| (Recoverable Lead)* | | | | |
|---------------------|---------|---------|---------|--------|
| (In Tons) | | | | |
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 18,959 | 16,002 | 14,032 | 17,117 |
| Feb. . . | 15,018 | 14,344 | 15,170 | 14,908 |
| Mar. . . | 19,113 | 16,857 | 16,940 | 15,421 |
| Apr. . . | 17,889 | 11,573 | 14,275 | 15,644 |
| May . . | 16,808 | 15,446 | 14,591 | 15,131 |
| June . . | 17,800 | 18,145 | 16,431 | .... |
| July . . | 16,650 | 15,841 | 14,377 | .... |
| Aug. . . | 16,676 | 16,104 | 14,679 | .... |
| Sept. . | 15,972 | 15,760 | 15,869 | .... |
| Oct. . . | 13,658 | 16,725 | 14,151 | .... |
| Nov. . . | 15,182 | 14,865 | 15,879 | .... |
| Dec. . . | 17,857 | 16,056 | 15,296 | .... |
| Year | 201,583 | 188,971 | 181,690 | .... |

* New base bullion from Canadian ores plus recoverable lead in ores or concentrates shipped for export.

Canada's Zinc Exports

(Dominion Bureau of Statistics)

| (Slabs in Tons) | | | | |
|-----------------|---------|---------|---------|--------|
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 22,181 | 15,550 | 19,304 | 17,349 |
| Feb. . . | 25,556 | 11,757 | 16,618 | 8,376 |
| Mar. . . | 20,178 | 8,822 | 14,923 | 19,636 |
| Apr. . . | 21,018 | 14,317 | 17,131 | 16,346 |
| May . . | 14,820 | 11,357 | 16,680 | 15,122 |
| June . . | 19,581 | 15,296 | 16,157 | .... |
| July . . | 13,522 | 15,499 | 12,912 | .... |
| Aug. . . | 16,581 | 13,070 | 20,520 | .... |
| Sept. . | 11,793 | 19,732 | 17,671 | .... |
| Oct. . . | 19,836 | 20,792 | 16,735 | .... |
| Nov. . . | 14,164 | 21,411 | 17,225 | .... |
| Dec. . . | 14,607 | 16,125 | 16,131 | .... |
| Year | 213,837 | 183,728 | 202,007 | .... |

Canada's Nickel Output

(Dominion Bureau of Statistics)

| (In Tons) | | | | |
|-----------|---------|---------|---------|--------|
| | 1955 | 1956 | 1957 | 1958 |
| Jan. . . | 14,387 | 14,985 | 16,609 | 16,607 |
| Feb. . . | 13,375 | 14,997 | 15,027 | 15,788 |
| Mar. . . | 15,544 | 15,504 | 16,733 | 15,660 |
| Apr. . . | 15,011 | 14,431 | 15,347 | 15,009 |
| May . . | 15,352 | 15,203 | 16,225 | 15,044 |
| June . . | 14,835 | 14,492 | 15,477 | .... |
| July . . | 14,530 | 15,125 | 15,878 | .... |
| Aug. . . | 14,825 | 14,852 | 16,756 | .... |
| Sept. . | 13,734 | 14,530 | 15,604 | .... |
| Oct. . . | 14,411 | 15,762 | 15,628 | .... |
| Nov. . . | 14,290 | 15,062 | 14,587 | .... |
| Dec. . . | 14,881 | 14,824 | 15,096 | .... |
| Year | 175,173 | 178,767 | 188,962 | .... |

METALS, AUGUST, 1958

Canadian Copper Exports

(Dominion Bureau of Statistics)

(In tons of 2,000 lbs.)

| | 1958 | | |
|---|--------|--------|--------|
| | Apr. | May | June |
| Ore, matte, regulus, etc. (content) | 2,265 | 1,469 | 1,980 |
| United States | 714 | 193 | 260 |
| Belgium | ... | ... | 92 |
| Germany (W.) | ... | ... | 79 |
| Norway | 1,456 | 1,060 | 1,357 |
| U. Kingdom | 95 | 216 | 192 |
| Ingot, bars, billets, anodes | 23,261 | 19,358 | 20,831 |
| United States | 5,538 | 4,779 | 7,311 |
| Brazil | 539 | 331 | ... |
| Belgium | 112 | 168 | ... |
| France | 2,183 | 3,080 | 3,494 |
| Germany (W.) | 1,735 | 1,903 | 1,137 |
| Italy | 1,371 | 257 | 672 |
| Netherlands | 1,231 | 582 | 699 |
| Norway | 224 | 224 | 224 |
| Sweden | 112 | ... | ... |
| Switzerland | 246 | 112 | 112 |
| U. Kingdom | 9,241 | 6,492 | 5,258 |
| India | 727 | 1,429 | 1,901 |
| Other countries | 2 | 1 | 23 |

Total Exports

| | | | |
|------------------------------------|--------|--------|--------|
| Crude & refined | 25,526 | 20,827 | 22,811 |
| Old and scrap | 678 | 1,079 | 1,414 |
| Rods, strips, sheet & tubing | 951 | 1,028 | 1,500 |

Canadian Zinc Exports

(Dominion Bureau of Statistics)

(In tons of 2,000 lbs.)

| | 1958 | | |
|--------------------------|--------|--------|--------|
| | Apr. | May | June |
| Ore (zinc content) | 15,729 | 14,398 | 16,642 |
| United States | 15,729 | 14,398 | 12,940 |
| Belgium | ... | ... | 1,236 |
| France | ... | ... | 1,233 |
| Germany (W.) | ... | ... | 1,233 |
| Slab zinc | 16,346 | 15,122 | 7,776 |
| United States | 8,672 | 3,790 | 2,740 |
| Brazil | 56 | 55 | 340 |
| Germany (W.) | ... | 112 | ... |
| Netherlands | 840 | 364 | 224 |
| U. Kingdom | 6,161 | 10,295 | 4,027 |
| Korea | 366 | 480 | 275 |
| Philippines | 165 | ... | ... |
| Taiwan | 86 | 26 | 122 |
| Other countries | ... | ... | 48 |

Total Exports:

| | | | |
|--------------------------------|--------|--------|--------|
| Ore and slabs | 32,075 | 29,520 | 24,418 |
| Zinc scrap, dross, ashes | 171 | 227 | 1,501 |
| United States | 150 | 130 | 75 |
| Belgium | ... | ... | 106 |
| Germany (W.) | ... | ... | 22 |
| Netherlands | ... | 52 | 1,235 |
| Japan | 21 | 45 | 63 |

Canadian Lead Exports

(Dominion Bureau of Statistics)

(In tons of 2,000 lbs.)

| | 1958 | | |
|--------------------------|-------|-------|-------|
| | Apr. | May | June |
| Ore (lead content) | 1,377 | 1,915 | 5,444 |
| United States | 1,377 | 1,915 | 1,334 |
| Belgium | ... | ... | 2,215 |
| Germany (W.) | ... | ... | 1,895 |
| Refined lead | 7,449 | 7,764 | 4,037 |
| United States | 5,356 | 2,568 | 2,605 |
| U. Kingdom | 2,016 | 5,152 | 1,316 |
| Taiwan | ... | 44 | 116 |
| Other countries | 77 | ... | ... |
| Total Exports: | | | |
| Ore and refined | 8,826 | 9,679 | 9,481 |
| Pipe and tubing | ... | ... | 1 |
| Lead scrap | 2 | 42 | ... |

METALS, AUGUST, 1958

Copper Imports and Exports By Principal Countries

(A. B. M. S.)

Reported in ingots, slabs, etc.; metric tons except where otherwise noted.

IMPORTS

| | 1958 | | |
|---|--------|--------|--------|
| | Mar. | Apr. | May |
| U. S. (blister, s.t.) | 19,196 | 25,440 | ... |
| (ore, etc., s.t.) | 6,933 | 11,105 | ... |
| (ref., s.t.) | 17,010 | 14,940 | ... |
| Belgium† | 14,060 | ... | ... |
| Denmark | 207 | 379 | 138 |
| France (crude) | ... | 406 | 406 |
| (refined) | 20,820 | 15,875 | 22,264 |
| Italy | 8,639 | ... | ... |
| Germany, W. | 33,737 | ... | ... |
| Netherlands | 1,443 | 1,809 | 2,646 |
| Norway | 355 | ... | ... |
| Sweden | 5,444 | 6,539 | ... |
| Switzerland | 3,722 | 3,425 | 3,491 |
| U. K. (l.t.) | 40,036 | 36,183 | 40,267 |
| India (blister-ref., l.t.)* | 4,907 | 4,662 | ... |
| Australia (blister & ref., l.t.)* | 20 | ... | ... |

EXPORTS

| | | | |
|--|--------|--------|--------|
| U. S. (ore and unref., s.t.) | 1,184 | 956 | ... |
| (ref., s.t.) | 22,584 | 23,920 | ... |
| Canada (ref., s.t.) | 18,662 | 23,261 | 19,358 |
| Belgium† | 11,180 | ... | ... |
| Finland† | 1,143 | 1,372 | ... |
| Germany, W. | 6,961 | ... | ... |
| Norway | 1,399 | ... | ... |
| Sweden | 1,412 | 476 | ... |
| U. K. (l.t.) | 4,129 | 3,183 | 4,324 |
| Turkey† | 775 | ... | ... |
| No. Rhodesia (ref. & blister, l.t.)* | 43,092 | 34,157 | 39,854 |

† Includes alloys.

‡ Includes old.

* British Bureau of Non-Ferrous Metal Statistics.

U. K. Copper Imports

(British Bureau of Non-Ferrous Metal Statistics)

(In tons of 2,240 lbs.)

| | 1958 | | |
|--------------------------------|--------|--------|--------|
| | Apr. | May | June |
| (Gross Weight) | | | |
| Copper and copper alloys | 36,183 | 40,267 | 28,971 |
| Rhodesia-Nyasaland | 15,497 | 22,881 | 12,646 |
| Canada | 5,342 | 6,445 | 5,774 |
| Belgium | 1 | 2 | 78 |
| Germany (W.) | 18 | 18 | 13 |
| Norway | 150 | 151 | 150 |
| Sweden | ... | 3 | 1 |
| United States | 6,988 | 6,446 | 5,299 |
| Chile | 7,725 | 3,700 | 4,400 |
| Peru | 146 | 351 | 345 |
| Belgian Congo | 250 | 250 | 250 |
| Other countries | 66 | 20 | 15 |
| Of which: | | | |
| Electrolytic | 22,019 | 27,997 | 18,099 |
| Other refined | 5,450 | 2,300 | 3,850 |
| Blister or rough | 8,669 | 9,925 | 6,749 |
| Wrought and alloys | 45 | 45 | 273 |
| Total | 36,183 | 40,267 | 28,971 |

Canada's Nickel Exports

(Dominion Bureau of Statistics)
(Refined, in oxides, matte, etc.)

(In Tons)

| | 1958 | | |
|-----------------|---------|---------|--------|
| | 1956 | 1957 | 1958 |
| January | 15,121 | 14,260 | 14,233 |
| February | 13,940 | 9,974 | 12,157 |
| March | 16,219 | 14,958 | 12,316 |
| April | 14,448 | 18,671 | 20,962 |
| May | 14,729 | 18,351 | 20,574 |
| June | 16,403 | 14,539 | ... |
| July | 11,079 | 14,181 | ... |
| August | 18,470 | 14,966 | ... |
| September | 13,849 | 14,160 | ... |
| October | 12,800 | 13,370 | ... |
| November | 14,084 | 16,620 | ... |
| December | 16,694 | 14,606 | ... |
| Year | 176,836 | 178,656 | ... |

French Copper Imports

(A. B. M. S.)

(In metric tons)

| | 1958 | | |
|---|--------|--------|--------|
| | Mar. | Apr. | May |
| Crude copper for refining (blister, black and cement) | ... | 406 | 406 |
| Belgian Congo | ... | 406 | 406 |
| Refined | 20,820 | 15,875 | 22,264 |
| United States | 9,110 | 3,310 | 8,597 |
| Canada | 1,546 | 1,524 | ... |
| Chile | ... | 20 | 2,641 |
| Belgium | 5,380 | 5,105 | 4,652 |
| Germany (W.) | 295 | 567 | 629 |
| Norway | 101 | ... | 457 |
| Sweden | ... | 415 | ... |
| U. Kingdom | 23 | ... | 152 |
| Belgian Congo | 2,654 | 2,245 | 3,052 |
| Rhodesia-Nyasaland | 1,660 | 2,689 | 2,084 |
| Other countries | 51 | ... | ... |

French Zinc Imports

(A. B. M. S.)

(In metric tons)

| | 1958 | | |
|--------------------------------|--------|--------|--------|
| | Mar. | Apr. | May |
| Ore (gross weight) | 25,288 | 16,242 | 27,639 |
| Peru | 1,085 | 816 | 999 |
| Greece | 284 | 4,015 | 152 |
| Italy | 4,033 | 2,095 | 4,086 |
| Norway | 1,138 | 741 | ... |
| Spain | 2,734 | ... | 2,485 |
| Yugoslavia | ... | ... | 3,390 |
| Algeria | 5,089 | 3,346 | 3,283 |
| Morocco | 9,357 | 3,376 | 11,230 |
| Tunisia | 564 | 1,253 | ... |
| Belgian Congo | ... | ... | 2,014 |
| Australia | 1,004 | 600 | ... |
| Slabs, bars, blocks, etc. | 1,890 | 1,510 | 262 |
| Belgium | 842 | 1,035 | 43 |
| Germany (W.) | 240 | 44 | 10 |
| Italy | 86 | 213 | 153 |
| Norway | 100 | 100 | 40 |
| Russia | 507 | ... | ... |
| U. Kingdom | 102 | 102 | ... |
| Algeria | 13 | 16 | 16 |

French Metal Exports

(A. B. M. S.)

(In metric tons)

| | 1958 | | |
|---|------|-------|-------|
| | Mar. | Apr. | May |
| LEAD | | | |
| Ore (gross weight) | 651 | 1,180 | 77 |
| Pig lead | 426 | 1,194 | 1,588 |
| Uruguay | ... | 180 | ... |
| Denmark | ... | ... | 254 |
| Germany (W.) | 125 | ... | 726 |
| Switzerland | 300 | 1,012 | 200 |
| United Kingdom | ... | ... | 406 |
| Other countries | 1 | 2 | 2 |
| Antimonial lead | 33 | 44 | 53 |
| ZINC | | | |
| Slabs, bars, blocks, etc. | 50 | 52 | 1 |
| COPPER | | | |
| Crude copper for refining (blister, black and cement) | ... | ... | 5 |

IT PAYS
to
ADVERTISE
in the
DAILY METAL REPORTER

Nonferrous Castings

MONTHLY SHIPMENTS, BY TYPE OF METAL (Bureau of Census — Thousands of Pounds)

| | Alu- minum | Copper | Mag- nesium | Zinc | Lead Die |
|------------|---------------|-----------|----------------|---------|-------------|
| 1953 Total | 658,022 | 990,496 | 34,517 | 521,253 | 20,444 |
| 1954 Total | 607,764 | 834,557 | 25,572 | 474,741 | 18,396 |
| 1955 Total | 833,058 | 1,011,748 | 27,892 | 781,254 | 21,045 |
| 1956 Total | 801,136 | 966,473 | 36,168 | 88,069 | 20,734 |
| 1957 | | | | | |
| January | 72,999 | 82,025 | 3,207 | 67,964 | 1,883 |
| February | 69,651 | 72,084 | 2,661 | 59,793 | 1,435 |
| March | 74,527 | 77,418 | 2,970 | 61,378 | 1,865 |
| April | 68,284 | 77,167 | 2,896 | 54,982 | 2,070 |
| May | 65,108 | 75,347 | 2,832 | 53,565 | 2,373 |
| June | 58,547 | 70,959 | 2,973 | 49,356 | 2,336 |
| July | 52,173 | 60,621 | 2,544 | 48,379 | 2,079 |
| Aug. | 55,735 | 71,233 | 2,315 | 49,829 | 2,165 |
| Sept. | 58,692 | 70,804 | 2,279 | 47,736 | 2,115 |
| Oct. | 64,140 | 81,836 | 2,192 | 62,332 | 2,481 |
| Nov. | 58,898 | 70,187 | 1,920 | 58,689 | 1,590 |
| Dec. | 53,102 | 65,708 | 1,533 | 49,597 | 1,399 |
| Total | 751,856 | 875,389 | 30,322 | 663,330 | 23,791 |
| 1958 | | | | | |
| January | 57,845 | 69,707 | 1,881 | 50,658 | 1,566 |
| February | 50,695 | 58,356 | 1,803 | 42,687 | 1,294 |
| March | 50,547 | 60,157 | 1,975 | 39,719 | 1,630 |
| April | 44,948 | 59,311 | 2,215 | 35,796 | 1,467 |
| May | 44,093 | 57,506 | 2,422 | 36,447 | 1,655 |
| June | 40,701 | 57,124 | 2,205 | 38,132 | 1,971 |

Copper Castings Shipments

BY TYPE OF CASTING

(Bureau of Census)

(Thousands of Pounds)

| | Total | Sand | Permanent | Die | All Other |
|------------|-----------|-----------|-----------|--------|--------------|
| 1951 Total | 1,197,443 | 1,075,437 | 69,883 | 12,516 | 39,607 |
| 1952 Total | 1,009,910 | 910,862 | 63,865 | 8,259 | 26,924 |
| 1953 Total | 990,496 | 888,369 | 61,316 | 10,077 | 30,734 |
| 1954 Total | 834,557 | 751,804 | 48,849 | 6,480 | 27,394 |
| 1955 Total | 1,011,748 | 907,852 | 63,041 | 8,541 | 31,408 |
| 1956 Total | 966,113 | 866,404 | 57,522 | 10,023 | 32,134 |
| 1957 | | | | | |
| January | 82,025 | 73,702 | 4,510 | 1,008 | 2,805 |
| February | 72,084 | 64,346 | 4,188 | 874 | 2,676 |
| March | 77,418 | 69,258 | 4,445 | 878 | 2,837 |
| April | 77,167 | 69,141 | 4,316 | 894 | 2,816 |
| May | 75,347 | 67,251 | 4,421 | 953 | 2,722 |
| June | 70,959 | 63,910 | 3,590 | 868 | 2,591 |
| July | 60,621 | 54,847 | 3,010 | 825 | 1,939 |
| Aug. | 71,233 | 64,953 | 3,278 | 799 | 2,203 |
| Sept. | 70,804 | 64,470 | 3,243 | 870 | 2,221 |
| Oct. | 81,836 | 74,391 | 3,693 | 1,057 | 2,695 |
| Nov. | 70,187 | 63,944 | 3,006 | 862 | 2,375 |
| Dec. | 65,708 | 59,606 | 3,046 | 888 | 2,168 |
| Total | 875,389 | 789,819 | 44,746 | 10,776 | 30,048 |
| 1958 | | | | | |
| January | 69,707 | 63,294 | 3,327 | 894 | 2,192 |
| February | 58,356 | 52,579 | 3,202 | 796 | 1,779 |
| March | 60,157 | 54,007 | 3,395 | 823 | 1,932 |
| April | 59,311 | 53,271 | 3,385 | 949 | 1,705 |
| May | 57,506 | 51,634 | 3,077 | 891 | 1,904 |
| June | 57,124 | 51,967 | 3,001 | 839 | 1,317 |

Nickel Averages

Electro, cathode sheets, 99.00%,
f.o.b. refinery, duty included
(Cents per pound)

| | 1955 | 1956 | 1957 | 1958 |
|-------|-------|--------|-------|-------|
| Jan. | 64.50 | 64.50 | 74.00 | 74.00 |
| Feb. | 64.50 | 64.50 | 74.00 | 74.00 |
| Mar. | 64.50 | 64.50 | 74.00 | 74.00 |
| Apr. | 64.50 | 64.50 | 74.00 | 74.00 |
| May | 64.50 | 64.50 | 74.00 | 74.00 |
| June | 64.50 | 64.50 | 74.00 | 74.00 |
| July | 64.50 | 64.50 | 74.00 | 74.00 |
| Aug. | 64.50 | 64.50 | 74.00 | |
| Sept. | 64.50 | 64.50 | 74.00 | |
| Oct. | 64.50 | 64.50 | 74.00 | |
| Nov. | 64.50 | 64.50 | 74.00 | |
| Dec. | 64.50 | 72.48 | 74.00 | |
| Av. | 64.50 | 65.165 | 74.00 | |

Platinum Averages

N. Y. MONTHLY QUOTATIONS
(Dollars per Troy Ounce)

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|--------|--------|--------|
| Jan. | 81.00 | 106.30 | 101.92 | 77.85 |
| Feb. | 78.16 | 104.34 | 98.59 | 74.82 |
| Mar. | 78.00 | 104.23 | 93.50 | 72.096 |
| Apr. | 77.94 | 103.92 | 93.45 | 70.72 |
| May | 77.50 | 105.23 | 92.865 | 67.34 |
| June | 78.33 | 106.50 | 92.02 | 66.18 |
| July | 81.78 | 106.50 | 90.265 | 64.35 |
| Aug. | 84.59 | 105.76 | 84.426 | |
| Sept. | 91.96 | 105.50 | 84.00 | |
| Oct. | 94.60 | 104.85 | 84.00 | |
| Nov. | 103.11 | 104.50 | 83.80 | |
| Dec. | 106.58 | 104.50 | 78.70 | |
| Av. | 86.12 | 105.18 | 89.79 | |

Spot Straits Tin

(Straits, Open Market, N. Y.)

Monthly Average Prices

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|---------|---------|--------|
| Jan. | 87.268 | 105.036 | 101.511 | 92.94 |
| Feb. | 90.836 | 100.803 | 101.132 | 93.915 |
| Mar. | 91.161 | 100.786 | 99.643 | 94.452 |
| Apr. | 91.48 | 99.268 | 99.304 | 92.988 |
| May | 91.41 | 96.994 | 98.347 | 94.512 |
| June | 93.68 | 94.589 | 98.05 | 94.708 |
| July | 97.08 | 96.143 | 96.52 | 94.892 |
| Aug. | 96.521 | 99.049 | 94.261 | |
| Sept. | 96.607 | 103.809 | 93.406 | |
| Oct. | 96.20 | 106.023 | 91.848 | |
| Nov. | 97.987 | 110.921 | 89.236 | |
| Dec. | 108.02 | 104.268 | 92.35 | |
| Aver. | 94.85 | 101.475 | 96.301 | |

Prompt Tin Prices

(Straits, Open Market, N. Y.)

Monthly Average Prices

(Cents per Pound)

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|---------|---------|--------|
| Jan. | 87.628 | 104.768 | 101.347 | 92.653 |
| Feb. | 90.75 | 100.586 | 100.257 | 93.763 |
| Mar. | 91.065 | 100.524 | 99.476 | 94.363 |
| Apr. | 91.41 | 99.145 | 99.286 | 92.988 |
| May | 91.38 | 96.853 | 98.335 | 94.512 |
| June | 93.64 | 94.488 | 98.025 | 94.619 |
| July | 96.825 | 96.131 | 96.44 | 94.892 |
| Aug. | 96.456 | 98.924 | 94.159 | |
| Sept. | 96.256 | 103.559 | 93.313 | |
| Oct. | 96.075 | 105.716 | 91.848 | |
| Nov. | 97.882 | 110.329 | 89.236 | |
| Dec. | 107.75 | 104.00 | 92.34 | |
| Aver. | 94.73 | 101.252 | 93.672 | |

Quicksilver Averages

N. Y. Monthly Averages

Virgin, Dollars per 76-lb. Flask

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|---------|--------|---------|
| Jan. | 324.68 | 277.88 | 256.00 | 224.35 |
| Feb. | 324.68 | 270.29 | 256.00 | 229.39 |
| Mar. | 322.61 | 261.40 | 256.00 | 232.096 |
| Apr. | 318.14 | 267.22 | 256.00 | 233.06 |
| May | 306.62 | 267.675 | 256.00 | 229.48 |
| June | 286.98 | 260.69 | 256.00 | 229.00 |
| July | 268.22 | 256.06 | 256.00 | 230.25 |
| Aug. | 255.18 | 256.00 | 252.20 | |
| Sept. | 263.70 | 256.00 | 248.58 | |
| Oct. | 279.02 | 255.92 | 234.48 | |
| Nov. | 282.50 | 255.13 | 228.33 | |
| Dec. | 282.27 | 256.00 | 226.50 | |
| Aver. | 292.90 | 261.71 | 248.51 | |

METALS, AUGUST, 1958

Primary Aluminum Output, Shipments and Stocks

(U. S. Department of Interior)

| | Stocks beginning of month short tons | Production short tons | Sold or Used Short tons | Value f. o. b. plant | Stocks end of month short tons |
|-----------|---|--------------------------|----------------------------|----------------------------|---|
| 1957 | | | | | |
| May | 176,104 | 145,174 | 126,152 | \$63,352,473 | 195,126 |
| June | 195,126 | 138,007 | 140,277 | 70,379,484 | 192,856 |
| July | 192,856 | 142,041 | 155,531 | 77,905,184 | 179,366 |
| August | 179,366 | 143,449 | 129,839 | 65,509,199 | 192,976 |
| September | 192,976 | 129,278 | 147,169 | 75,823,527 | 175,085 |
| October | 175,085 | 133,759 | 125,430 | 67,292,495 | 183,414 |
| November | 183,414 | 135,024 | 146,333 | 78,858,676 | 172,105 |
| December | 172,105 | 140,036 | 140,996 | 70,850,564 | 171,145 |
| Total | 1,647,714 | 1,579,035 | 1,579,035 | ..... | ..... |
| 1958 | | | | | |
| January | 171,141 | 139,910 | 134,982 | \$69,837,103 | 176,069 |
| February | 176,069 | 121,980 | 115,958 | 60,049,048 | 182,091 |
| March | 182,091 | 134,020 | 120,903 | 61,980,890 | 195,207 |
| April | ..... | 125,000 | ..... | ..... | ..... |
| May | ..... | 126,327 | ..... | ..... | ..... |
| June | ..... | 115,325 | ..... | ..... | ..... |

Aluminum Wrought Products

PRODUCERS' MONTHLY NET SHIPMENTS

(Bureau of Census — Thousands of Pounds)

| | Total | Plate, Sheet, & Strip | Rolled Structural Shapes, Rod, Bar & Wire | Extruded Shapes, Tube Blooms & Tubing | Powder, Flake, & Paste |
|------------|-----------|-----------------------------|--|--|------------------------------|
| 1954 Total | 2,088,439 | 1,165,090 | 357,229 | 518,070 | 46,255 |
| 1955 Total | 2,805,500 | 1,542,368 | 365,391 | 812,311 | 35,854 |
| 1956 | | | | | |
| December | 194,822 | 99,851 | 31,787 | 55,225 | 1,702 |
| Total | 2,870,101 | 1,577,601 | 398,602 | 782,398 | 28,017 |
| 1957 | | | | | |
| January | 234,805 | 126,008 | 35,911 | 64,227 | 1,970 |
| February | 206,397 | 109,786 | 30,330 | 58,296 | 1,927 |
| March | 229,786 | 120,077 | 34,365 | 66,400 | 2,190 |
| April | 238,212 | 126,755 | 34,805 | 68,284 | 2,572 |
| May | 249,012 | 130,047 | 35,680 | 74,364 | 2,670 |
| June | 227,388 | 117,103 | 32,847 | 69,411 | 2,630 |
| July | 249,047 | 130,624 | 39,342 | 71,339 | 3,120 |
| August | 223,786 | 117,796 | 30,918 | 66,829 | 3,224 |
| September | 215,564 | 122,787 | 21,735 | 63,421 | 2,802 |
| October | 230,913 | 121,654 | 23,075 | 69,554 | 2,104 |
| November | 186,974 | 114,618 | 31,501 | 64,197 | 1,716 |
| December | 177,520 | 96,078 | 21,363 | 54,672 | 1,480 |
| Total | 2,677,423 | 1,396,502 | 399,040 | 789,430 | 28,187 |
| 1958 | | | | | |
| January | 193,678 | 108,616 | 21,915 | 57,188 | 1,538 |
| February | 207,459 | 118,835 | 21,983 | 58,296 | 1,927 |
| March | 190,092 | 108,913 | 20,692 | 55,973 | 1,533 |
| April | 210,477 | 118,793 | 22,178 | 62,737 | 1,954 |
| May | 217,299 | 115,660 | 27,361 | 67,376 | 2,389 |
| June | 228,587 | 118,767 | 28,674 | 74,580 | 2,248 |

Aluminum Castings Shipments

(Bureau of Census)

BY TYPE OF CASTING

(Thousands of Pounds)

| | Total | Sand | Permanent Mold | Die | All Other |
|------------|---------|---------|-------------------|---------|--------------|
| 1954 Total | 609,066 | 155,738 | 213,968 | 232,726 | 6,800 |
| 1955 Total | 833,058 | 171,757 | 298,115 | 354,804 | 8,282 |
| 1956 Total | 801,036 | 171,763 | 245,421 | 376,108 | 7,736 |
| 1957 | | | | | |
| February | 69,451 | 13,366 | 21,707 | 34,311 | 67 |
| March | 74,527 | 13,914 | 22,974 | 37,521 | 118 |
| April | 68,284 | 14,287 | 20,376 | 33,493 | ... |
| May | 65,108 | 12,705 | 20,708 | 31,602 | ... |
| June | 58,547 | 11,585 | 17,180 | 29,700 | ... |
| July | 52,173 | 10,447 | 16,322 | 25,339 | ... |
| August | 55,735 | 10,966 | 18,398 | 26,319 | ... |
| September | 58,692 | 11,367 | 17,820 | 24,900 | ... |
| October | 64,140 | 11,570 | 20,543 | 31,936 | ... |
| November | 58,898 | 10,411 | 18,611 | 29,793 | ... |
| December | 53,102 | 9,302 | 16,724 | 26,978 | ... |
| 1957 Total | 751,656 | 144,121 | 232,326 | 369,086 | ... |
| 1958 | | | | | |
| January | 57,845 | 10,724 | 18,082 | 28,937 | ... |
| February | 50,695 | 9,601 | 15,456 | 25,579 | ... |
| March | 50,547 | 9,311 | 15,255 | 25,918 | ... |
| April | 44,948 | 9,531 | 13,369 | 21,956 | ... |
| May | 44,093 | 9,312 | 13,648 | 21,091 | ... |
| June | 40,701 | 8,644 | 13,679 | 18,292 | ... |

METALS, AUGUST, 1958

Virgin Aluminum

Ingot (30 lb.) 99 1/2 % Plus, Delivered

Monthly Average Prices

(Cents per pound)

| | 1955 | 1957 | 1957 | 1958 |
|-------|--------|--------|--------|-------|
| Jan. | 22.90 | 24.40 | 27.10 | 28.10 |
| Feb. | 23.20 | 24.40 | 27.10 | 28.10 |
| Mar. | 23.20 | 24.60 | 27.10 | 28.10 |
| Apr. | 23.20 | 25.90 | 27.10 | 26.10 |
| May | 23.20 | 25.90 | 27.10 | 26.10 |
| June | 23.20 | 25.90 | 27.10 | 26.10 |
| July | 23.20 | 25.90 | 27.10 | 26.10 |
| Aug. | 24.26 | 26.70 | 28.10 | .... |
| Sept. | 24.40 | 27.10 | 28.10 | .... |
| Oct. | 24.20 | 27.10 | 28.10 | .... |
| Nov. | 24.40 | 27.10 | 28.10 | .... |
| Dec. | 24.40 | 27.10 | 28.10 | .... |
| Aver. | 23.655 | 26.008 | 27.517 | .... |

Magnesium Wrought Products Shipments

(Bureau of Census)

(Thousands of Pounds)

| | 1955 | 1956 | 1957 | 1958 |
|----------|--------|--------|--------|-------|
| Jan. .. | 1,776 | 2,188 | 2,130 | 1,271 |
| Feb. .. | 1,648 | 1,901 | 2,522 | 2,522 |
| Mar. .. | 1,947 | 1,946 | 2,388 | 1,398 |
| Apr. .. | 1,756 | 2,279 | 2,511 | 1,479 |
| May .. | 1,836 | 2,462 | 2,230 | 1,443 |
| June .. | 1,686 | 2,302 | 1,881 | 1,709 |
| July .. | 1,437 | 2,002 | 1,428 | .... |
| Aug. .. | 1,742 | 2,523 | 1,540 | .... |
| Sept. .. | 2,159 | 2,031 | 1,501 | .... |
| Oct. .. | 1,667 | 861 | 1,453 | .... |
| Nov. .. | 1,954 | 2,141 | 1,230 | .... |
| Dec. .. | 1,577 | 2,452 | 1,102 | .... |
| Total | 21,186 | 24,975 | 21,915 | .... |

Cadmium Averages

N. Y. Monthly Averages

Cents per lb. in ton lots

| | 1955 | 1956 | 1957 | 1958 |
|-------|--------|--------|--------|--------|
| Jan. | 170.00 | 170.00 | 170.00 | 155.00 |
| Feb. | 170.00 | 170.00 | 170.00 | 155.00 |
| Mar. | 170.00 | 170.00 | 170.00 | 155.00 |
| Apr. | 170.00 | 170.00 | 170.00 | 155.00 |
| May | 170.00 | 170.00 | 170.00 | 155.00 |
| June | 170.00 | 170.00 | 170.00 | 155.00 |
| July | 170.00 | 170.00 | 170.00 | 155.00 |
| Aug. | 170.00 | 170.00 | 170.00 | .... |
| Sept. | 170.00 | 170.00 | 170.00 | .... |
| Oct. | 170.00 | 170.00 | 170.00 | .... |
| Nov. | 170.00 | 170.00 | 170.00 | .... |
| Dec. | 170.00 | 170.00 | 166.40 | .... |
| Aver. | 170.00 | 170.00 | 169.70 | .... |

Steel Ingot Production

(American Iron and Steel Institute)

| Period | Estimated Production — All Companies | | | | Calculated weekly production, all companies | |
|------------|--------------------------------------|---------------|-----------|---------------|---|---------------|
| | OPEN HEARTH | BESSEMER | ELECTRIC | TOTAL | % of capacity | (net tons) |
| | Net tons | % of capacity | Net tons | % of capacity | Net tons | % of capacity |
| 1954 Total | 80,327,494 | 73.6 | 2,648,104 | 53.2 | 5,426,054 | 52.0 |
| 1955 Total | 1,105,342,886 | 95.6 | 3,319,088 | 69.3 | 8,338,592 | 77.2 |
| 1956 Total | 1,102,840,585 | 91.6 | 3,227,997 | 67.4 | 9,147,567 | 81.2 |
| 1957 | | | | | 115,216,149 | 89.8 |
| 1958 | | | | | 2,203,828 | |
| January | 8,898,671 | 99.2 | 277,682 | 80.4 | 810,853 | 87.8 |
| February | 9,442,164 | 95.1 | 275,156 | 71.0 | 871,754 | 85.2 |
| March | 8,820,328 | 91.8 | 231,731 | 62.6 | 762,721 | 77.1 |
| April | 8,842,707 | 89.1 | 201,864 | 52.8 | 747,762 | 73.1 |
| May | 8,498,903 | 88.4 | 210,915 | 57.0 | 681,584 | 68.9 |
| June | 8,086,519 | 81.4 | 194,638 | 50.9 | 627,575 | 61.4 |
| July | 8,297,172 | 83.6 | 204,723 | 53.5 | 731,995 | 71.6 |
| August | 8,135,139 | 84.7 | 185,967 | 50.2 | 656,800 | 66.4 |
| September | 8,348,622 | 84.1 | 154,577 | 40.5 | 694,618 | 67.5 |
| October | 7,674,698 | 79.9 | 134,709 | 36.4 | 583,512 | 59.0 |
| November | 6,783,262 | 68.3 | 108,337 | 28.3 | 528,686 | 51.7 |
| December | 101,657,776 | 87.0 | 2,475,138 | 54.9 | 8,582,082 | 71.3 |
| 1958 | | | | | 112,714,996 | 85.5 |
| January | 6,085,124 | 58.6 | 121,338 | 35.5 | 547,450 | 44.8 |
| February | 5,252,112 | 56.0 | 81,597 | 26.4 | 448,614 | 40.6 |
| March | 5,598,944 | 53.9 | 122,317 | 35.7 | 533,361 | 43.6 |
| April | 4,876,619 | 48.5 | 109,433 | 33.1 | 547,939 | 46.3 |
| May | 5,692,123 | 53.7 | 110,366 | 32.3 | 588,670 | 48.2 |
| June | 5,378,942 | 53.4 | 88,125 | 26.6 | 660,413 | 55.8 |
| July | 5,678,000 | 54.7 | 114,000 | 33.3 | 578,000 | 47.3 |

Steel Ingot Operations

(Percentage of Capacity as Reported by American Iron & Steel Institute)

| Week | Beginning | 1955 | 1956 | 1957 | 1958 |
|-------------|-----------|-------|------|------|------|
| Jan. 6... | 81.2 | 97.6 | 98.4 | 56.1 | |
| Jan. 13... | 83.2 | 98.6 | 96.4 | 57.0 | |
| Jan. 20... | 83.2 | 99.0 | 96.6 | 55.5 | |
| Jan. 27... | 85.0 | 100.4 | 97.6 | 54.0 | |
| Feb. 4... | 85.4 | 99.3 | 97.1 | 54.0 | |
| Feb. 11... | 86.8 | 99.1 | 97.7 | 53.5 | |
| Feb. 18... | 89.1 | 98.8 | 97.8 | 50.9 | |
| Feb. 25... | 90.8 | 98.8 | 96.0 | 54.6 | |
| Mar. 4... | 85.4 | 99.3 | 97.1 | 53.1 | |
| Mar. 11... | 92.9 | 100.0 | 93.8 | 52.4 | |
| Mar. 18... | 94.2 | 100.6 | 93.5 | 52.5 | |
| Mar. 25... | 93.7 | 99.5 | 92.4 | 50.6 | |
| Apr. 1... | 94.4 | 99.6 | 90.6 | 48.6 | |
| Apr. 8... | 95.3 | 97.7 | 90.3 | 48.5 | |
| Apr. 15... | 94.6 | 100.9 | 90.4 | 46.8 | |
| Apr. 22... | 94.6 | 100.2 | 88.7 | 47.9 | |
| Apr. 29... | 95.6 | 100.5 | 87.0 | 47.8 | |
| May 6... | 96.6 | 96.4 | 86.7 | 49.4 | |
| May 13... | 97.2 | 95.2 | 84.2 | 52.3 | |
| May 20... | 96.9 | 95.3 | 86.4 | 56.4 | |
| May 27... | 96.4 | 97.3 | 88.0 | 58.1 | |
| June 3... | 95.8 | 96.3 | 87.5 | 62.4 | |
| June 10... | 94.7 | 96.7 | 86.5 | 64.0 | |
| June 17... | 96.0 | 93.4 | 85.2 | 64.9 | |
| June 24... | 95.0 | 93.0 | 84.0 | 61.7 | |
| July 1... | 71.1 | 84.9 | 78.5 | 51.0 | |
| July 8... | 85.9 | 12.3 | 78.7 | 53.4 | |
| July 15... | 91.2 | 12.9 | 79.3 | 54.9 | |
| July 22... | 91.0 | 14.6 | 79.4 | 57.3 | |
| July 29... | 90.7 | 17.0 | 79.4 | 57.8 | |
| Aug. 5... | 86.9 | 16.9 | 79.8 | 58.8 | |
| Aug. 12... | 89.4 | 57.5 | 80.6 | 60.5 | |
| Aug. 19... | 90.2 | 87.5 | 82.1 | ... | |
| Aug. 26... | 90.6 | 85.8 | 82.2 | ... | |
| Sept. 2... | 93.4 | 97.0 | 81.0 | ... | |
| Sept. 9... | 93.8 | 98.7 | 81.9 | ... | |
| Sept. 16... | 95.7 | 100.6 | 82.1 | ... | |
| Sept. 23... | 96.1 | 100.6 | 82.2 | ... | |
| Sept. 30... | 97.0 | 101.6 | 82.6 | ... | |
| Oct. 7... | 96.7 | 101.8 | 82.2 | ... | |
| Oct. 14... | 96.5 | 100.9 | 80.9 | ... | |
| Oct. 21... | 98.9 | 101.4 | 80.2 | ... | |
| Oct. 28... | 100.0 | 101.2 | 79.7 | ... | |
| Nov. 4... | 99.4 | 101.3 | 78.0 | ... | |
| Nov. 11... | 99.6 | 100.6 | 77.7 | ... | |
| Nov. 18... | 99.2 | 100.2 | 76.0 | ... | |
| Nov. 25... | 100.1 | 100.1 | 72.1 | ... | |
| Dec. 2... | 97.6 | 101.1 | 71.5 | ... | |
| Dec. 9... | 100.1 | 101.3 | 69.2 | ... | |
| Dec. 16... | 100.3 | 102.0 | 67.7 | ... | |
| Dec. 23... | 96.9 | 94.3 | 53.7 | ... | |
| Dec. 30... | 95.7 | 97.3 | 59.0 | ... | |

Blast Furnace Output

(American Iron and Steel Institute)

| Period | Net tons | % of capacity |
|----------|------------|---------------|
| Pig Iron | Iron | % of capacity |
| 1949 | | |
| Ttl. Yr. | 53,613,779 | 592,564 |
| 1950 | | |
| Ttl. Yr. | 64,810,272 | 678,896 |
| 1951 | | |
| Ttl. Yr. | 70,487,880 | 745,381 |
| 1952 | | |
| Ttl. Yr. | 61,628,665 | 629,926 |
| 1953 | | |
| Total | 74,987,721 | 855,038 |
| 1954 | | |
| Total | 58,119,882 | 568,755 |
| 1955 | | |
| Total | 77,114,073 | 668,758 |
| 1956 | | |
| Jan. | 6,985,945 | 63,619 |
| Feb. | 6,539,199 | 63,618 |
| Mar. | 7,083,877 | 65,586 |
| Apr. | 6,869,583 | 65,769 |
| May | 6,876,102 | 67,849 |
| June | 6,387,408 | 64,951 |
| July | 6,089,518 | 61,491 |
| Aug. | 6,100,869 | 61,458 |
| Sept. | 6,873,064 | 69,584 |
| Oct. | 7,245,650 | 69,909 |
| Nov. | 6,977,457 | 58,614 |
| Dec. | 7,268,743 | 65,841 |
| Total | 75,301,134 | 664,341 |
| 1957 | | |
| Jan. | 7,209,547 | 72,826 |
| Feb. | 6,596,133 | 61,973 |
| Mar. | 7,179,100 | 67,779 |
| Apr. | 6,810,102 | 60,784 |
| May | 6,879,881 | 65,566 |
| June | 6,593,326 | 66,266 |
| July | 6,625,901 | 66,031 |
| Aug. | 6,719,763 | 61,988 |
| Sept. | 6,569,074 | 58,028 |
| Oct. | 6,454,450 | 55,028 |
| Nov. | 5,711,242 | 58,637 |
| Dec. | 5,212,624 | 59,175 |
| Total | 78,557,011 | 782,660 |
| 1958 | | |
| Jan. | 4,785,269 | 69,175 |
| Feb. | 4,016,276 | 47,953 |
| Mar. | 4,418,778 | 45,175 |
| Apr. | 3,787,907 | 39,302 |
| May | 4,048,328 | 25,468 |
| June | 4,396,285 | 26,463 |
| July | 4,277,616 | 26,668 |

Steel Castings Shipments

(Bureau of Census)

| Period | (Short Tons) | For Own Use |
|--------|--------------|-------------|
| 1951 | 2,101,604 | 1,507,413 |
| 1952 | 1,925,116 | 1,476,352 |
| 1953 | 1,829,277 | 1,290,016 |
| 1954 | | |
| Total | 1,184,096 | 880,158 |
| 1955 | | |
| Total | 1,530,694 | 1,166,706 |
| 1956 | | |
| Feb. | 165,398 | 128,598 |
| Mar. | 170,045 | 130,839 |
| Apr. | 163,708 | 125,015 |
| May | 178,227 | 142,025 |
| June | 164,661 | 129,147 |
| July | 117,984 | 96,350 |
| Aug. | 159,831 | 127,001 |
| Sept. | 155,046 | 121,705 |
| Oct. | 175,630 | 135,798 |
| Nov. | 164,114 | 126,900 |
| Dec. | 158,725 | 125,569 |
| Total | 1,931,987 | 1,512,290 |
| 1957 | | |
| Jan. | 169,240 | 133,826 |
| Feb. | 154,932 | 121,667 |
| Mar. | 180,054 | 124,416 |
| Apr. | 162,498 | 124,549 |
| May | 164,575 | 125,431 |
| June | 153,647 | 119,353 |
| July | 122,018 | 90,037 |
| Aug. | 145,926 | 111,080 |
| Sept. | 139,002 | 105,611 |
| Oct. | 146,397 | 113,216 |
| Nov. | 127,115 | 98,436 |
| Dec. | 120,787 | 92,125 |
| Total | 1,766,191 | 1,261,301 |
| 1958 | | |
| Jan. | 120,722 | 94,717 |
| Feb. | 103,297 | 79,708 |
| Mar. | 106,233 | 82,195 |
| Apr. | 91,464 | 69,121 |
| May | 87,002 | 66,086 |

Galvanized Sheet Shipments

(American Iron & Steel Institute)

| Period | 1955 | 1956 | 1957 | 1958 |
|--------|-----------|-----------|-----------|---------|
| Jan. | 211,101 | 269,464 | 235,902 | 186,649 |
| Feb. | 199,408 | 272,997 | 205,048 | 167,627 |
| Mar. | 238,649 | 291,193 | 206,856 | 195,885 |
| Apr. | 239,001 | 266,728 | 198,585 | 206,368 |
| May | 235,962 | 272,741 | 206,657 | 231,318 |
| June | 246,940 | 279,058 | 239,037 | 277,180 |
| July | 205,211 | * | 167,247 | ..... |
| Aug. | 241,863 | 276,048 | 186,790 | ..... |
| Sept. | 269,020 | 256,803 | 183,952 | ..... |
| Oct. | 260,010 | 278,637 | 212,886 | ..... |
| Nov. | 255,692 | 255,135 | 190,380 | ..... |
| Dec. | 261,640 | 239,173 | 159,363 | ..... |
| Tot. | 2,864,497 | 2,957,991 | 2,392,637 | ..... |

* Combined with August figures.

SHIPMENTS OF TIN-TERNEPLATE

(American Iron & Steel Institute)

| Period | Hot Dipped | Electrolytic |
|--------|------------|--------------|
| 1957 | | |
| Jan. | 88,174 | 31,455 |
| Feb. | 63,040 | 29,451 |
| Mar. | 113,593 | 36,794 |
| Apr. | 130,027 | 43,670 |
| May | 34,282 | 37,628 |
| June | 32,783 | 42,850 |
| July | 39,234 | 380,815 |
| Aug. | 40,542 | 409,515 |
| Sept. | 36,983 | 338,078 |
| Oct. | 28,917 | 293,668 |
| Nov. | 20,645 | 256,911 |
| Dec. | 21,633 | 214,215 |
| Tot. | 649,974 | 4,676,482 |

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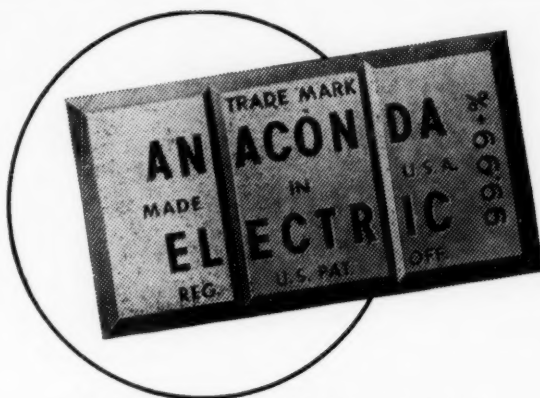
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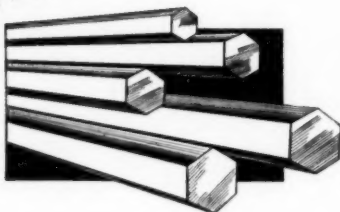
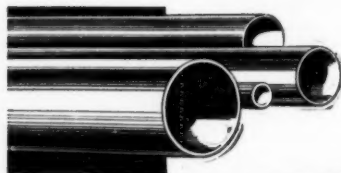
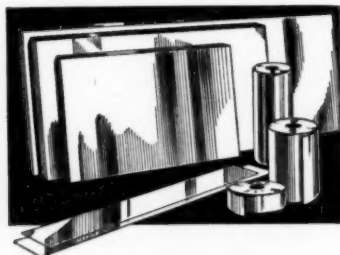


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